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Chemical Handling Course Assignment

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We would prefer that you utilize the enclosed answer sheet in the front, but if you are unable to do so, type out your own answer key. Please include your name and address on your Answer Key and make copy for yourself. You can e-mail or fax your Answer Key along with the Registration Form to TLC. *(S)* Means answer may be plural or singular. **Multiple Choice Section, One answer per question and please use the answer key.**

**Revised Hazard Communication Program**

1. OSHA's HazCom rule has significant new requirements that will require employers to train their employees how to read and interpret the?
   A. New SDS   D. Hazardous chemicals
   B. Hazard information E. Right to understand
   C. Identities and hazards F. None of the Above

2. The new Hazard Communication Standard still requires chemical manufacturers and importers to evaluate the chemicals they produce or import and provide _which missing term_ - to employers and workers by putting labels on containers and preparing safety data sheets.
   A. SDS/MSDS    D. Hazard communication elements
   B. Safety data sheets and labels  E. Hazard information
   C. Specific criteria   F. None of the Above

3. Which of the following terms allowed chemical manufacturers and importers to convey hazard information on labels and material safety data sheets in whatever format they chose?
   A. OSHA’s HazCom rule  D. Hazardous chemicals
   B. Old standard  E. Right to understand
   C. Identities and hazards  F. None of the Above

4. Which of the following terms provides a single set of harmonized criteria for classifying chemicals according to their health and physical hazards and specifies hazard communication elements for labeling and safety data sheets?
   A. SDS/MSDS    D. Hazard communication elements
   B. Safety data sheets and labels  E. Modified standard
   C. Specific criteria   F. None of the Above

5. New 2012 changes to OSHA's___________ are bringing the U.S. into alignment with the Globally Harmonized System of Classification and Labeling of Chemicals, improving safety and health protections for America's workers.
   A. SDS/MSDS    D. Hazard communication elements
   B. Safety data sheets and labels  E. Hazard Communication Standard
   C. Specific criteria   F. None of the Above
6. The Hazard Communication Standard in 1983 gave the workers the___________ but the new Globally Harmonized System gives workers the 'right to understand.'
   A. OSHA’s HazCom rule   D. Right to know
   B. Hazard information     E. Right to understand
   C. Identities and hazards  F. None of the Above

7. The Safety Data Sheet is at the heart of federal OSHA’s?
   A. Hazard communication standard (HazCom)   D. Hazardous chemicals
   B. Hazard information     E. Right to understand
   C. Identities and hazards  F. None of the Above

8. Which of the following terms is a detailed, written description of a hazardous chemical that must be kept in the workplace where such chemicals are used?
   A. SDS/MSDS   D. Hazard communication elements
   B. Safety data sheets and labels  E. Hazard Communication Standard (HCS)
   C. Specific criteria  F. None of the Above

More on the Revised Hazard Communication Standard

9. This update will also help reduce trade barriers and result in productivity improvements for American businesses that regularly handle, store, and use hazardous chemicals while providing cost savings for American businesses that periodically update ______________ covered under the hazard communication standard.
   A. SDS/MSDS   D. Hazard communication elements
   B. Safety data sheets     E. Safety data sheets and labels for chemicals
   C. Specific criteria  F. None of the Above

10. Which of the following terms will provide a common and coherent approach to classifying chemicals and communicating hazard information on labels and safety data sheets?
    A. SDS/MSDS   D. Hazard communication elements
    B. Safety data sheets and labels  E. Hazard Communication Standard (HCS)
    C. Specific criteria  F. None of the Above

11. Once implemented, the revised standard will improve the quality and consistency of hazard information in the workplace, making it safer for workers by providing easily understandable information on appropriate handling and safe use of?
    A. OSHA’s HazCom rule   D. Hazardous chemicals
    B. Hazard information     E. Right to understand
    C. Identities and hazards  F. None of the Above

12. In order to ensure ___________________ in the workplace, information about the identities and hazards of the chemicals must be available and understandable to workers.
    A. OSHA’s HazCom rule   D. Hazardous chemicals
    B. Hazard information     E. Chemical safety
    C. Identities and hazards  F. None of the Above

13. Chemical manufacturers and importers are required to evaluate the______________ they produce or import, and prepare labels and safety data sheets to convey the hazard information to their downstream customers.
    A. SDS/MSDS   D. Hazard communication elements
    B. Safety data sheets and labels  E. Hazards of the chemicals
    C. Specific criteria  F. None of the Above
14. All employers with - this missing term - in their workplaces must have labels and safety data sheets for their exposed workers, and train them to handle the chemicals appropriately.
   A. OSHA’s HazCom rule  D. Hazardous chemicals
   B. Hazard information  E. Right to understand
   C. Identities and hazards  F. None of the Above

**Major changes to the Hazard Communication Standard**

15. Which of the following terms provides specific criteria for classification of health and physical hazards, as well as classification of mixtures?
   A. SDS/MSDS  D. Hazard communication elements
   B. Safety data sheets and labels  E. Hazard Communication Standard (HCS)
   C. Hazard classification  F. None of the Above

16. Labels: Chemical manufacturers and importers will be required to provide a label that includes a harmonized signal word, pictogram, and hazard statement for each?
   A. Specific, detailed criteria  D. Hazard class and category
   B. Standardized label elements  E. GHS
   C. HCS  F. None of the Above

17. Employers are required to train workers by December 1, 2013 on the new labels elements and safety data sheets format to facilitate?
   A. Recognition and understanding  D. The Purple Book
   B. Model regulation  E. Hazard Communication Standard (HCS)
   C. GHS  F. None of the Above

**What is the Globally Harmonized System?**

18. The Globally Harmonized System is ________________ to hazard communication, providing agreed criteria for classification of chemical hazards, and a standardized approach to label elements and safety data sheets.
   A. Hazard classification  D. Existing hazard communication regulatory schemes
   B. An international approach  E. Hazards associated
   C. Degree of hazard  F. None of the Above

19. Which of the following terms was negotiated in a multi-year process by hazard communication experts from many different countries, international organizations, and stakeholder groups?
   A. Revised HCS  D. The Purple Book
   B. Model regulation  E. Hazard Communication Standard (HCS)
   C. GHS  F. None of the Above

20. It is based on major existing systems around the world, including- this missing term - and the chemical classification and labeling systems of other US agencies.
   A. Specific, detailed criteria  D. OSHA's Hazard Communication Standard
   B. Standardized label elements  E. GHS
   C. SDS  F. None of the Above

21. The result of this negotiation process is the United Nations' document entitled "Globally Harmonized System of Classification and Labeling of Chemicals," commonly referred to as?
   A. Revised HCS  D. The Purple Book
   B. Model regulation  E. Hazard Communication Standard (HCS)
   C. GHS  F. None of the Above
22. This document provides harmonized classification criteria for health, physical, and environmental hazards of chemicals. It also includes standardized label elements that are assigned to these hazard classes and categories, and provide the appropriate signal words, pictograms, and hazard and precautionary statements to convey the?
   A. Specific, detailed criteria  
   B. Standardized label elements  
   C. HCS  
   D. Hazard classes and hazard categories  
   E. Hazards to users  
   F. None of the Above

23. A standardized order of information for safety data sheets is also provided. These recommendations can be used by regulatory authorities such as OSHA to establish - this missing term - for hazard communication, but do not constitute a model regulation.
   A. Revised HCS  
   B. Model regulation  
   C. GHS  
   D. Mandatory requirements  
   E. Hazard Communication Standard (HCS)  
   F. None of the Above

No intentional trick questions.

What Hazard Communication Standard provisions are unchanged in the revised HCS?
24. The revised Hazard Communication Standard is a modification to the existing standard. The parts of the standard that did not relate to the ____________ remained largely unchanged.
   A. Specific, detailed criteria  
   B. Standardized label elements  
   C. HCS  
   D. Hazard classes and hazard categories  
   E. GHS  
   F. None of the Above

25. There have been some modifications to terminology in order to align the ___________ with language used in the GHS.
   A. Hazard classification  
   B. Safety Data Sheets  
   C. Revised HCS  
   D. Existing hazard communication regulatory schemes  
   E. Hazards associated  
   F. None of the Above

26. Which of the following terms has been changed to "hazard classification" and "material safety data sheet" was changed to "safety data sheet?"
   A. Revised HCS  
   B. Model regulation  
   C. GHS  
   D. Hazard determination  
   E. Hazard Communication Standard (HCS)  
   F. None of the Above

How will chemical hazard evaluation change under the revised Hazard Communication Standard?
27. Under both the current Hazard Communication Standard and the___________ an evaluation of chemical hazards must be performed considering the available scientific evidence concerning such hazards.
   A. Revised HCS  
   B. Model regulation  
   C. GHS  
   D. Revised OSHA  
   E. Hazard Communication Standard (HCS)  
   F. None of the Above

28. Under the current _____________, the hazard determination provisions have definitions of hazard and the evaluator determines whether or not the data on a chemical meet those definitions.
   A. Specific, detailed criteria  
   B. Standardized label elements  
   C. HCS  
   D. Hazard classes and hazard categories  
   E. GHS  
   F. None of the Above
29. The hazard classification approach in the ___________________ is quite different.
A. Revised HCS   D. The Purple Book
B. Model regulation   E. Hazard Communication Standard (HCS)
C. GHS   F. None of the Above

30. It also establishes both hazard classes and hazard categories—for most of the effects; the classes are divided into categories that reflect the?
A. Specific, detailed criteria   D. Hazard classes and hazard categories
B. Standardized label elements   E. Relative severity of the effect
C. HCS   F. None of the Above

31. Which of the following terms does not include categories for most of the health hazards covered, so this new approach provides additional information that can be related to the appropriate response to address the hazard?
A. Revised HCS   D. Current HCS
B. Model regulation   E. Hazard Communication Standard (HCS)
C. GHS   F. None of the Above

United Nations Globally Harmonized System of Classification and Labeling of Chemicals

1.0 Background
32. The purpose of this document is to describe the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS), why it was developed, and how it relates to the?
A. Earth Summit   D. National, regional and international levels
B. Several U.S. regulatory agencies   E. The widespread use of chemicals
C. Regulatory authorities in countries   F. None of the Above

1.1 What is the GHS?
33. The GHS is a system for - this missing term - the classification and labeling of chemicals. It is a logical and comprehensive approach to: Defining health, physical and environmental hazards of chemicals;
A. Cradle to grave   D. Standardizing and harmonizing
B. Hazards to human health   E. Hazardous properties of chemicals
C. Multiple safety data sheets   F. None of the Above

34. Creating classification processes that use available data on chemicals for comparison with the defined?
A. Hazard classification   D. Hazard criteria
B. Safety Data Sheets   E. Hazards associated
C. Degree of hazard   F. None of the Above

35. Communicating hazard information, as well as___________________ on labels and Safety Data Sheets.
A. Cradle to grave   D. Protective measures
B. Hazards to human health   E. Hazardous properties of chemicals
C. Multiple safety data sheets   F. None of the Above

36. The GHS itself is not a?
A. Regulation or a standard   D. National, regional and international levels
B. Several U.S. regulatory agencies   E. The widespread use of chemicals
C. Regulatory authorities in countries   F. None of the Above

Chemical Handling Ass 8/1/2018
37. The elements in the ___________________ - a mechanism to meet the basic requirement of any hazard communication system, which is to decide if the chemical product produced and/or supplied is hazardous and to prepare a label and/or Safety Data Sheet as appropriate.
   A. Cradle to grave               D. GHS supply
   B. Hazards to human health       E. Hazardous properties of chemicals
   C. Multiple safety data sheets    F. None of the Above

38. Regulatory authorities in countries adopting the GHS will thus take the agreed criteria and provisions, and implement them through their own regulatory process and procedures rather than simply incorporating the text of the?
   A. Earth Summit                   D. National, regional and international levels
   B. Several U.S. regulatory agencies E. GHS into their national requirements
   C. Regulatory authorities in countries   F. None of the Above

39. The GHS Document thus provides countries with the regulatory building blocks to develop or modify existing national programs that address classification of hazards and transmittal of information about those hazards and associated protective measures. This helps to ensure the safe use of chemicals as they move through the ________________ from "cradle to grave."
   A. Product life cycle          D. GHS
   B. Hazards to human health       E. Hazardous properties of chemicals
   C. Multiple safety data sheets    F. None of the Above

1.2 Why was the GHS developed?
40. Chemicals directly or indirectly affect our lives and are essential to our food, our health, and our lifestyle. The widespread use of chemicals has resulted in the development of?
   A. Sector-specific regulations D. National, regional and international levels
   B. Several U.S. regulatory agencies E. The widespread use of chemicals
   C. Regulatory authorities in countries F. None of the Above

41. Having readily available information on - this missing term - and recommended control measures, allows the production, transport, use and disposal of chemicals to be managed safely. Thus, human health and the environment are protected.
   A. Cradle to grave               D. GHS
   B. Hazards to human health       E. Hazardous properties of chemicals
   C. Multiple safety data sheets    F. None of the Above

42. Which of the following terms should include systems through which chemical hazards are identified and communicated to all who are potentially exposed?
   A. Earth Summit                   D. National, regional and international levels
   B. Several U.S. regulatory agencies E. The widespread use of chemicals
   C. Regulatory authorities in countries   F. None of the Above

43. It is important to know what chemicals are present and/or used, their hazards to human health and the environment, and the?
   A. Means to control them               D. GHS
   B. Hazards to human health            E. Hazardous properties of chemicals
   C. Multiple safety data sheets        F. None of the Above
44. Which of the following terms - each addressing specific use patterns and groups of chemicals, exist at the national, regional and international levels?
   A. Hazard classification   D. Number of classification and labeling systems
   B. Safety Data Sheets   E. Hazards associated
   C. Degree of hazard   F. None of the Above

45. While the existing laws and regulations are similar, they are different enough to require multiple labels for the same product both within the U.S. and in international trade and to require ______________ for the same product in international trade.
   A. Cradle to grave   D. GHS
   B. Hazards to human health   E. Hazardous properties of chemicals
   C. Multiple safety data sheets   F. None of the Above

46. Several U.S. regulatory agencies and various countries have different requirements for hazard definitions as well as for information to be included on?
   A. Labels or material safety data sheets   D. National, regional and international levels
   B. Several U.S. regulatory agencies   E. The widespread use of chemicals
   C. Regulatory authorities in countries   F. None of the Above

47. Flammable liquid is another hazard that is covered by most existing systems. The coverage varies between existing systems within the U.S. and globally. This means that the same product can be non-hazardous or hazardous with?
   A. Different labels/SDSs   D. GHS
   B. Hazards to human health   E. Hazardous properties of chemicals
   C. Multiple safety data sheets   F. None of the Above

48. In the area of trade, the need to comply with multiple regulations regarding ______________ and labeling is costly and time-consuming.
   A. Hazard classification   D. Existing hazard communication regulatory schemes
   B. Safety Data Sheets   E. Hazards associated
   C. Degree of hazard   F. None of the Above

49. Some multinational companies have estimated that there are over 100 - this missing term - for their products globally.
   A. Cradle to grave   D. GHS
   B. Hazards to human health   E. Hazardous properties of chemicals
   C. Multiple safety data sheets   F. None of the Above

1.3 What was the International Mandate?

50. The single most important force that drove the creation of the ______________ - was the international mandate adopted in the 1992 United Nations Conference on Environment and Development, often called the "Earth Summit".
   A. Earth Summit   D. National, regional and international levels
   B. GHS   E. Widespread use of chemicals
   C. Regulatory authorities in countries   F. None of the Above

51. Which of the following terms was one of six program areas that were endorsed by the United Nations General Assembly?
   A. A global approach   D. Preventive and protective measures
   B. Regulatory changes   E. Harmonization of classification and labeling of chemicals
   C. GHS   F. None of the Above
52. It was recognized that an internationally _________________ to classification and labeling would provide the foundation for all countries to develop comprehensive national programs to ensure the safe use of chemicals.
   A. Self-classification     D. GHS labels and/or Safety Data Sheets
   B. Hazards of a substance or mixture   E. Existing hazard communication systems
   C. Harmonized approach             F. None of the Above

1.4 How was the GHS developed?
53. The ILO concluded that there were _________________ that needed to be harmonized to achieve a global approach.
   A. A global approach              D. Preventive and protective measure for their health and safety
   B. The regulatory changes         E. Be exposed (workplaces), and in transport
   C. Four major existing systems     F. None of the Above

54. No international organization covers all aspects of?
   A. Self-classification             D. Chemical classification and labeling
   B. Hazards of a substance or mixture   E. Existing hazard communication systems
   C. The data used for classification   F. None of the Above

1.7 What are the benefits?
55. The basic goal of _________________ - is to ensure that employers, employees and the public are provided with adequate, practical, reliable and comprehensible information.
   A. Achieve a global approach       D. Preventive and protective measures
   B. The regulatory changes          E. Hazard communication
   C. GHS                             F. None of the Above

2.2 Will all hazardous chemicals require a GHS label and Safety Data Sheet?
56. The need for GHS labels and/or _________________ is expected to vary by product category or stage in the chemical's lifecycle from research/production to end use.
   A. Self-classification            D. Safety Data Sheets
   B. Hazards of a substance or mixture   E. Existing hazard communication systems
   C. The data used for classification   F. None of the Above

57. For example, pharmaceuticals, food additives, cosmetics and pesticide residues in food will not be covered by the _________________ at the point of consumption, but will be covered where workers may be exposed, and in transport.
   A. Global approach                D. Preventive and protective measure for their health and safety
   B. Regulatory changes             E. Transport
   C. GHS                            F. None of the Above

58. The exact requirements for labels and _________________ will continue to be defined in national regulations.
   A. Hazard classification         D. Existing hazard communication regulatory schemes
   B. Safety Data Sheets            E. Hazards associated
   C. Degree of hazard              F. None of the Above

59. To the extent that countries adopt the GHS into their systems, _________________ would be binding for covered industries.
   A. Achieve a global approach      D. Protective measure for their health and safety
   B. Regulatory changes             E. Be exposed (workplaces), and in transport
   C. GHS                            F. None of the Above
60. For countries with existing systems, it is expected that ______________ will be applied within the framework/infrastructure of existing hazard communication regulatory schemes.
A. Hazard classification  D. GHS components
B. Safety Data Sheets  E. Hazards associated
C. Degree of hazard  F. None of the Above

61. Classification is ______________ for hazard communication. It involves the identification of the hazard(s) of a chemical or mixture by assigning a category of hazard/danger using defined criteria.
A. A global approach  D. Preventive and protective measure for their health and safety
B. The regulatory changes  E. Be exposed (workplaces), and in transport
C. The starting point  F. None of the Above

62. The GHS is designed to be consistent and transparent. It draws a clear distinction between classes and categories in order to allow for "self-classification". For many hazards a decision tree approach is provided in?
A. Self-classification  D. The GHS Document
B. Hazards of a substance or mixture  E. Existing hazard communication systems
C. The data used for classification  F. None of the Above

63. For several hazards - this missing term - are semi-quantitative or qualitative. Expert judgment may be required to interpret these data.
A. The global approaches  D. Preventive and protective measure for their health and safety
B. The regulatory changes  E. All of the Above
C. The GHS criteria  F. None of the Above

**Hazard Classification**

64. Which of the following terms is used to indicate that only the intrinsic hazardous properties of substances and mixtures are considered?
A. Self-classification  D. GHS labels and/or Safety Data Sheets
B. Hazards of a substance or mixture  E. Hazard classification
C. The data used for classification  F. None of the Above

65. Subsequent review of those data to ascertain the hazards associated with the?
A. Hazard classification  D. Existing hazard communication regulatory schemes
B. Safety Data Sheets  E. Substance or mixture
C. Degree of hazard  F. None of the Above

66. A decision on whether the substance or mixture will be classified as a hazardous substance or mixture and the - missing term -, where appropriate, by comparison of the data with agreed hazard classification criteria.
A. Hazard classification  D. Existing hazard communication regulatory schemes
B. Safety Data Sheets  E. Hazards associated
C. Degree of hazard  F. None of the Above

67. Which of the following terms may be obtained from tests, literature, and practical experience?
A. Hazard classification  D. Data used for classification
B. Safety Data Sheets  E. Hazards associated
C. Degree of hazard  F. None of the Above
68. Tests that determine hazardous properties conducted according to internationally recognized scientific principles can be used for purposes of?
A. Hazard classification D. Existing hazard communication regulatory schemes
B. Safety Data Sheets E. Hazards associated
C. Degree of hazard F. None of the Above

3.1 What are the GHS Physical Hazards?

69. Which of the following terms - developed by the ILO and UNCETDG, were largely based on the existing criteria used by the UN Model Regulation on the Transport of Dangerous Goods?
A. Physical hazards classification D. GHS physical hazard criteria
B. GHS criteria E. Scope of the GHS includes all target audiences
C. Liquid or a gas F. None of the Above

70. Which of the following terms provides specific references to approved test methods and criteria for classification?
A. Physical hazards classification process D. GHS physical hazard criteria
B. GHS criteria E. Scope of the GHS includes all target audiences
C. Liquid or a gas F. None of the Above

71. Which of the following terms for physical hazards are quantitative or semi-quantitative with multiple hazard levels within an endpoint. This is different from several of the existing systems that currently have qualitative criteria for various physical hazards.
A. Physical hazards classification D. GHS physical hazard criteria
B. GHS criteria E. Scope of the GHS includes all target audiences
C. GHS more consistent F. None of the Above

72. In developing GHS criteria for ___________ it was necessary to define physical states.
A. Physical hazards classification D. GHS physical hazard criteria
B. GHS criteria E. Scope of the GHS includes all target audiences
C. Physical hazards F. None of the Above

73. Which of the following terms that does not meet the definitions of a liquid or a gas?
A. Physical hazards classification D. A liquid is a substance or mixture
B. GHS criteria E. A solid is a substance or mixture
C. Liquid or a gas F. None of the Above

74. Which of the following terms that does not meet the definitions of a liquid or a gas?
A. Physical hazards classification D. GHS physical hazard criteria
B. A liquid is a substance or mixture E. A solid is a substance or mixture
C. Liquid or a gas F. None of the Above

3.1.1 Explosives

75. An explosive substance is a solid or liquid that is in itself capable by _____________ of producing gas at such a temperature and pressure and at such a speed as to cause damage to the surroundings.
A. Chemical reaction D. Ignition distance test
B. Single hazard category E. Chemical heat of combustion
C. Flammable gas means a gas F. None of the Above
76. Pyrotechnic substances are included even?
A. Flammable components  D. Solid or liquid particles
B. Substances and mixtures  E. Exothermic chemical reactions
C. Foam aerosols  F. None of the Above

3.1.2 Flammable Gases
77. Which of the following terms means a gas having a flammable range in air at 20°C and a standard pressure of 101.3 kPa?
A. Flammable gas  D. Ignition distance test
B. Single hazard category  E. Chemical heat of combustion
C. Flammable gas means a gas  F. None of the Above

78. Which of the following terms of this hazard class are assigned to one of two hazard categories based on the outcome of the test or calculation method?
A. Flammable components  D. Solid or liquid particles
B. Substances and mixtures  E. Exothermic chemical reactions
C. Foam aerosols  F. None of the Above

3.1.3 Flammable Aerosols
79. Aerosols are any gas compressed, liquefied or dissolved under pressure within a non-refillable container made of metal, glass or plastic, with or without?
A. Aerosols  D. Ignition distance test
B. Single hazard category  E. Chemical heat of combustion
C. A liquid, paste or powder  F. None of the Above

80. The container is fitted with a release device allowing the contents to be ejected as solid or liquid particles in suspension in a gas, as a foam, paste or powder or?
A. Flammable components  D. Solid or liquid particles
B. Substances and mixtures  E. Exothermic chemical reactions
C. In a liquid or gaseous state  F. None of the Above

81. Flammable Aerosol if they contain any component classified as flammable according to the ______________ for flammable liquids, flammable gases, or flammable solids.
A. GHS criteria  D. Ignition distance test
B. Single hazard category  E. Chemical heat of combustion
C. Flammable gas means a gas  F. None of the Above

82. Classification is based on: _______________ of flammable components;
A. Flammable components  D. Solid or liquid particles
B. Substances and mixtures  E. Exothermic chemical reactions
C. Concentration  F. None of the Above

83. Which of the following terms if combustion (mainly for transport/storage)?
A. Aerosols  D. Ignition distance test
B. Single hazard category  E. Chemical heat
C. Flammable gas means a gas  F. None of the Above

84. Results from the - this missing term - (mainly for worker/consumer);
A. Flammable components  D. Solid or liquid particles
B. Substances and mixtures  E. Foam test
C. Foam aerosols  F. None of the Above
85. Which of the following terms - distance test (spray aerosols) (mainly for worker/consumer);
A. Aerosol ignition       D. Ignition
B. Single hazard category E. Chemical heat of combustion
C. Flammable gas means a gas F. None of the Above

86. Which of the following terms - spray aerosols (mainly for worker/consumer)?
A. Flammable components       D. Enclosed space test
B. Substances and mixtures E. Exothermic chemical reaction
C. Foam aerosols              F. None of the Above

Aerosols are considered:
87. Which of the following terms, if the concentration of the flammable components ≤ 1% and
the heat of combustion is < 20 kJ/g.
A. Aerosols                   D. Extremely flammable
B. Single hazard category E. Nonflammable
C. Flammable gas              F. None of the Above

88. Which of the following terms, if the concentration of the flammable components >85% and
the heat of combustion is ≥ 30 kJ/g to avoid excessive testing.
A. Aerosols                   D. Extremely flammable
B. Single hazard category E. Nonflammable
C. Flammable gas              F. None of the Above

3.1.4 Oxidizing Gases
89. Which of the following terms means any gas which may, generally by providing oxygen,
cause or contribute to the combustion of other material more than air does?
A. Aerosols                   D. Ignition
B. Single hazard category E. Oxidizing gas
C. Flammable gas              F. None of the Above

90. Which of the following terms of this hazard class are assigned to a single hazard category
on the basis that, generally by providing oxygen, they cause or contribute to the combustion of
other material more than air does?
A. Aerosols                   D. Substances and mixtures
B. Single hazard category E. Oxidizers
C. Flammable gas means a gas F. None of the Above

91. Currently, several workplace hazard communication systems cover oxidizers as?
A. Aerosols                   D. A class of chemicals
B. Single hazard category E. Oxidizers
C. Flammable gas means a gas F. None of the Above

3.1.5 Gases under Pressure
92. Which of the following terms under pressure are gases that are contained in a receptacle at
a pressure not less than 280 Pa at 20°C or as a refrigerated liquid?
A. Flammable solids           D. Physical state or compressed gases
B. Substances and mixtures E. Substances and mixtures of this hazard class
C. Gases                     F. None of the Above
93. For this group of gases, the following information is required: vapor pressure at 50°C; physical state at 20°C at standard ambient pressure?
   A. Combustion of other material  D. Explosive, organic peroxides or as oxidizing
   B. Readily combustible solids  E. Critical temperature
   C. Basis of the flash point  F. None of the Above

94. Which of the following terms that use the physical state or compressed gases will be a different classification basis for some workplace systems?
   A. Flammable solids  D. Physical state or compressed gases
   B. Substances and mixtures  E. Substances and mixtures of this hazard class
   C. Ignition or pressure  F. None of the Above

3.1.6 Flammable Liquids
95. Which of the following terms means a liquid having a flash point of not more than 93°C?
   A. Flammable liquid  D. Explosive, organic peroxides or as oxidizing
   B. Readily combustible solids  E. Critical temperature
   C. Flammable solids  F. None of the Above

3.1.7 Flammable Solids
96. Which of the following terms are solids that are readily combustible, or may cause or contribute to fire through friction?
   A. Flammable liquid  D. Explosive, organic peroxides or as oxidizing
   B. Readily combustible solids  E. Critical temperature
   C. Flammable solids  F. None of the Above

97. Which of the following terms are powdered, granular, or pasty substances that are dangerous if they can be easily ignited by brief contact with an ignition source?
   A. Flammable liquid  D. Explosive, organic peroxides or as oxidizing
   B. Readily combustible solids  E. Critical temperature
   C. Flammable solids  F. None of the Above

98. Which of the following terms are assigned to one of two hazard categories on the basis of the outcome of the UN Test N.1?
   A. Flammable solids  D. Physical state or compressed gases
   B. Substances and mixtures  E. Substances and mixtures of this hazard class
   C. Ignition or pressure  F. None of the Above

3.1.8 Self-Reactive Substances
99. Which of the following terms are thermally unstable liquids or solids liable to undergo a strongly exothermic thermal decomposition even without participation of oxygen?
   A. Combustion of other material  D. Explosive, organic peroxides or as oxidizing
   B. Readily combustible solids  E. Self-reactive substances
   C. Basis of the flash point  F. None of the Above

3.1.12 Substances which on Contact with Water Emit Flammable Gases
100. Substances that, in contact with water, emit flammable gases are solids or liquids that, by interaction with water, are liable to become spontaneously flammable or to give off _______ in dangerous quantities.
   A. Flammable solids  D. Physical state or compressed gases
   B. Substances and mixtures  E. Substances and mixtures of this hazard class
   C. Flammable gases  F. None of the Above
3.1.13 Oxidizing Liquids
101. Which of the following terms is a liquid which, while in itself not necessarily combustible, may, generally by yielding oxygen, cause or contribute to the combustion of other material?
A. Combustible liquid  
B. Readily combustible liquid  
C. Basis of the flash point  
D. Explosive liquid  
E. An oxidizing liquid  
F. None of the Above

102. Substances and mixtures of this hazard class are assigned to one of three hazard categories on the basis of test results which measure ignition or pressure rise time compared to?
A. Flammable solids  
B. Substances and mixtures  
C. Ignition or pressure  
D. Physical state or compressed gases  
E. Substances and mixtures of this hazard class  
F. None of the Above

3.1.14 Oxidizing Solids
103. An oxidizing solid is a solid which, while in itself not necessarily combustible, may, generally by yielding oxygen, cause or contribute to the?
A. Combustion of other material  
B. Readily combustible solids  
C. Basis of the flash point  
D. Explosive, organic peroxides or as oxidizing  
E. Critical temperature  
F. None of the Above

104. Substances and mixtures of this hazard class are assigned to one of three hazard categories on the basis of test results which measure mean burning time and?
A. Flammable solids  
B. Substances and mixtures  
C. Ignition or pressure  
D. Physical state or compressed gases  
E. Substances and mixtures of this hazard class  
F. None of the Above

105. Currently, several workplace hazard communication systems cover ________________ - as a class of chemicals.
A. Oxidizers  
B. Readily combustible solids  
C. Flash points  
D. Explosives  
E. Critical temperatures  
F. None of the Above

3.1.15 Organic Peroxides
106. An organic peroxide is an organic liquid or solid which contains the______________ and may be considered a derivative of hydrogen peroxide.
A. Substances and mixtures  
B. Harmonized odors  
C. Chemical actions  
D. Structure/activity or structure property  
E. Organic radicals  
F. None of the Above

107. The term also includes organic peroxide formulations, such substances and mixtures may: be liable to______________; burn rapidly; be sensitive to impact or friction; react dangerously with other substances.
A. Melt  
B. Decompose  
C. Corrode  
D. Explosive decomposition  
E. Burn  
F. None of the Above
3.1.16 Substances Corrosive to Metal
108. A substance or a mixture that by__________________ will materially damage, or even destroy, metals is termed 'corrosive to metal'.
A. Substances and mixtures D. Structure/activity or structure property
B. Harmonized approach E. Organic radicals
C. Chemical action F. None of the Above

109. The concern in this case is the protection of metal equipment or installations in case of leakage, not _________________ between the container/tank and the product. This hazard is not currently covered in all systems.
A. Not currently covered D. Health and environmental criteria
B. Analysis of existing E. Material compatibility
C. Corrosive F. None of the Above

3.2 What are the GHS Health and Environmental Hazards?
110. The work at the OECD to develop the GHS criteria included: A thorough analysis of existing classification systems, including the__________________  its rationale and an explanation of the mode of use;
A. Not currently covered D. Health and environmental criteria
B. Analysis of existing E. Scientific basis for a system and its criteria
C. Corrosive F. None of the Above

111. For some categories, the harmonized approach was easy to develop because the existing systems had similar approaches. In cases where the approach was different, a compromise - this missing term - was developed.
A. Consensus proposal D. Structure/activity or structure property
B. Harmonized approach E. Harmonizing
C. Harmonized chemical action F. None of the Above

112. Which of the following terms were established for substances and mixtures?
A. Health criteria D. Health and environmental criteria
B. Analysis of existing E. Competent Authorities
C. Corrosive F. None of the Above

3.2.2 Skin Corrosion
113. Which of the following terms means the production of irreversible damage to the skin following the application of a test substance for up to 4 hours?
A. Skin corrosion D. Structure/activity or structure property
B. Harmonized approach E. Organic radicals
C. Chemical action F. None of the Above

114. Substances and mixtures in this - this missing term - are assigned to a single harmonized corrosion category.
A. Hazard class D. Structure/activity or structure property
B. Harmonized approach E. Organic class
C. Chemical class F. None of the Above
115. For Competent Authorities, such as transport packing groups, needing more than one designation for corrosivity, up to three subcategories are provided within the?
A. Class D. Health and environmental criteria
B. Analysis E. Corrosive category
C. Corrosive class F. None of the Above

116. Several factors should be considered in determining the- this missing term - before testing is initiated: Human experience showing irreversible damage to the skin;
A. Corrosion potential D. Structure/activity or structure property
B. Harmonized approach E. Organic radicals
C. Chemical potential F. None of the Above

117. Structure/activity or structure ________________ to a substance or mixture already classified as corrosive.
A. Substances and mixtures D. Property relationship
B. Harmonized approach E. Organic relationship
C. Chemical action F. None of the Above

3.2.3 Skin Irritation
118. Which of the following terms means the production of reversible damage to the skin following the application of a test substance for up to 4 hours?
A. Chemical action D. Health and environmental criteria
B. Analysis of existing E. Skin irritation
C. Corrosive F. None of the Above

119. Substances and mixtures in this hazard class are assigned to a single irritant category. For those authorities, such as pesticide regulators, wanting more than one designation for skin irritation, an additional?
A. Substances and mixtures D. Structure/activity or structure property
B. Harmonized approach E. Mild irritant category is provided
C. Chemical action F. None of the Above

120. Which of the following terms should be considered in determining the irritation potential before testing is initiated: Human experience or data showing reversible damage to the skin following exposure of up to 4 hours.
A. Several factors D. Substances and mixtures in this hazard class
B. pH extremes E. Hypersensitivity
C. Contact sensitizer F. None of the Above

121. Structure/activity or structure property relationship to a substance or mixture already classified as?
A. Test substance D. Pesticide regulators
B. An irritant E. Serious physical decay
C. Skin sensitizer F. None of the Above

3.2.4 Eye Effects
122. Which of the following terms should be considered in determining the serious eye damage or eye irritation potential before testing is initiated?
A. Several factors D. Substances and mixtures in this hazard class
B. pH extremes E. Hypersensitivity
C. Contact sensitizer F. None of the Above
123. Structure/activity or structure property relationship to a - this missing term - already classified; pH extremes like ≤ 2 and ≥ 11.5 that may produce serious eye damage.
A. Test substance  D. Substance or mixture
B. pH extreme  E. Hypersensitivity
C. Contact sensitizer  F. None of the Above

124. Serious eye damage means the- this missing term - or serious physical decay of vision, following application of a test substance to the front surface of the eye.
A. Test substance  D. Pesticide regulators
B. An irritant  E. Serious physical decay
C. Skin sensitizer  F. None of the Above

125. Which of the following terms in this hazard class are assigned to a single harmonized category?
A. Several factors  D. Substances and mixtures
B. pH extremes  E. Hypersensitivity
C. Contact sensitizer  F. None of the Above

126. Which of the following terms - means changes in the eye following the application of a test substance to the front surface of the eye, which are fully reversible within 21 days of application?
A. Test substance  D. Eye irritation
B. An irritant  E. Serious physical decay
C. Skin sensitizer  F. None of the Above

127. Substances and mixtures in this hazard class are assigned to?
A. Several factors  D. One hazard category
B. pH extremes  E. A single harmonized hazard category
C. Contact sensitizer  F. None of the Above

128. For authorities, such as pesticide regulators, wanting more than one designation for eye irritation, - this missing term -, depending on whether the effects are reversible in 21 or 7 days.
A. Test substance  D. One of two subcategories can be selected
B. An irritant  E. Serious physical decay
C. Skin sensitizer  F. None of the Above

3.2.5 Sensitization
129. Which of the following terms means a substance that induces hypersensitivity of the airways following inhalation of the substance?
A. Several factors  D. Respiratory sensitizer
B. pH extremes  E. Hypersensitivity
C. Contact sensitizer  F. None of the Above

130. Substances and mixtures in this hazard class are assigned to?
A. Several factors  D. One hazard category
B. pH extremes  E. Hypersensitivity
C. Contact sensitizer  F. None of the Above
131. Skin sensitizer means a substance that will induce an allergic response following skin contact. The definition for "skin sensitizer" is equivalent to?
A. Contact sensitizer D. Reproductive and developmental effects
B. An irritant E. Serious physical decay
C. Skin sensitizer F. None of the Above

132. Substances and mixtures in this hazard class are assigned to?
A. One hazard category D. Reproductive and developmental effects
B. An irritant E. Serious physical decay
C. Skin sensitizer F. None of the Above

133. Consideration should be given to classifying substances that cause immunological contact urticaria as?
A. Several factors D. Substances and mixtures in this hazard class
B. pH extremes E. Hypersensitivity
C. Contact sensitizer F. None of the Above

3.2.6 Germ Cell Mutagenicity
134. Which of the following terms means an agent giving rise to an increased occurrence of mutations in populations of cells and/or organisms?
A. Mutagen D. Only in animal studies mutagen
B. A single exposure mutagen E. Reproductive and developmental effects
C. Known or presumed mutagen F. None of the Above

3.2.7 Carcinogenicity
135. Which of the following terms means a chemical substance or a mixture of chemical substances which induce cancer or increase its incidence?
A. Death following aspiration D. Reproductive and developmental effects
B. Carcinogen E. Non-lethal target organ/systemic toxicity class (TOST)
C. The basis of viscosity F. None of the Above

136. Which of the following terms in this hazard class are assigned to one of two hazard categories?
A. The harmonized criteria D. Reproductive and developmental effects
B. A single exposure E. Substances and mixtures
C. Known or presumed F. None of the Above

3.2.8 Reproductive Toxicity
137. Which of the following terms includes adverse effects on sexual function and fertility in adult males and females, as well as developmental toxicity in offspring?
A. Death D. Reproductive and developmental effects
B. Reproductive toxicity E. Non-lethal target organ/systemic toxicity class (TOST)
C. The basis of viscosity F. None of the Above

138. Substances and mixtures with reproductive and/or developmental effects are assigned to one of two hazard categories, 'known or presumed' and?
A. The harmonized criteria D. Only in animal studies
B. A single exposure E. Reproductive and developmental effects
C. Suspected F. None of the Above
139. Category 1 has two subcategories for reproductive and?
A. Death D. Reproductive and developmental effects
B. Developmental effects E. Non-lethal target organ/systemic toxicity class (TOST)
C. The basis of viscosity F. None of the Above

3.2.9 Target Organ Systemic Toxicity (TOST): Single Exposure & Repeated Exposure
140. Some existing systems distinguish between single and repeat exposure for these effects and?
A. The harmonized criteria D. Only in animal studies
B. Some do not E. Non-lethal target organ/systemic toxicity class (TOST)
C. Known or presumed F. None of the Above

141. Which of the following terms not otherwise specifically included in the GHS, that can impair function, both reversible and irreversible, immediate and/or delayed are included in the non-lethal target organ/systemic toxicity class?
A. Death D. Reproductive and developmental effects
B. All significant health effects E. Non-lethal target organ/systemic toxicity class (TOST)
C. The basis of viscosity F. None of the Above

142. Narcotic effects and - this missing term - are considered to be target organ systemic effects following a single exposure.
A. The harmonized criteria D. Respiratory tract irritation
B. A single exposure E. Trachea and lower respiratory system
C. Known or presumed F. None of the Above

3.2.10 Aspiration Hazard
143. Which of the following terms includes severe acute effects such as chemical pneumonia, varying degrees of pulmonary injury or death following aspiration?
A. Death following aspiration D. Reproductive and developmental effects
B. An aspiration hazard in humans E. Non-lethal target organ/systemic toxicity class (TOST)
C. Aspiration toxicity F. None of the Above

144. Which of the following terms is the entry of a liquid or solid directly through the oral or nasal cavity, or indirectly from vomiting, into the trachea and lower respiratory system?
A. Death following aspiration D. Reproductive and developmental effects
B. An aspiration hazard in humans E. Non-lethal target organ/systemic toxicity class
C. Aspiration F. None of the Above

145. Some hydrocarbons and certain chlorinated hydrocarbons have been shown to pose an - this missing term - in humans.
A. Death following aspiration D. Reproductive and developmental effects
B. Aspiration hazard in humans E. Non-lethal target organ/systemic toxicity class
C. Aspiration hazard F. None of the Above

146. Primary alcohols, and ketones have been shown to pose an ________________ only in animal studies.
A. Death following aspiration D. Reproductive and developmental effects
B. Aspiration hazard in humans E. Non-lethal target organ/systemic toxicity class
C. Aspiration hazard F. None of the Above
147. Substances and mixtures of - this missing term - are assigned to one of two hazard categories this hazard class on the basis of viscosity.
   A. This hazard class  
   B. An aspiration hazard in humans  
   C. The basis of viscosity  
   D. Reproductive and developmental effects  
   E. Non-lethal target organ/systemic toxicity class  
   F. None of the Above  

3.3 Environmental Hazards 3.3.1 Hazardous to the Aquatic Environment

148. The harmonized criteria are _________________ for packaged goods in both supply and use in multi-modal transport schemes.
   A. Considered suitable  
   B. A single exposure  
   C. Known or presumed  
   D. Only in animal studies  
   E. Complex substance  
   F. None of the Above  

149. Which of the following terms of it may be used for bulk land transport and bulk marine transport under MARPOL insofar as this uses aquatic toxicity?
   A. The harmonized criteria  
   B. A single exposure  
   C. Known or presumed  
   D. Only in animal studies  
   E. Complex substance  
   F. None of the Above  

3.3.1.1 Acute Aquatic Toxicity

150. Which of the following terms means the intrinsic property of a material to cause injury to an aquatic organism in a short-term exposure?
   A. Acute aquatic toxicity  
   B. An aspiration hazard in humans  
   C. Complex substance  
   D. Reproductive and developmental effects  
   E. Chronic aquatic toxicity  
   F. None of the Above  

151. Substances and mixtures of this hazard class are assigned to one of three toxicity categories based on acute toxicity data: LC50 or EC50 or ErC50. In some regulatory systems these acute toxicity categories may be subdivided or?
   A. The harmonized criteria  
   B. A single exposure  
   C. Known or presumed  
   D. Degradation/bioaccumulation  
   E. Extended for certain sectors  
   F. None of the Above  

3.3.1.2 Chronic Aquatic Toxicity

152. Which of the following terms means the potential or actual properties of a material to cause adverse effects to aquatic organisms during exposures that are determined in relation to the lifecycle of the organism?
   A. Acute aquatic toxicity  
   B. An aspiration hazard in humans  
   C. Complex substance  
   D. Reproductive and developmental effects  
   E. Chronic aquatic toxicity  
   F. None of the Above  

153. Which of the following terms are assigned to one of four toxicity categories on the basis of acute data and environmental fate data: LC50 or EC50 or ErC50?
   A. Cutoff value/concentration limits  
   B. Potential or actual properties  
   C. Hazards  
   D. Substances and mixtures in this hazard class  
   E. Two or more substances  
   F. None of the Above
154. While experimentally derived test data are preferred, where no experimental data are available, validated Quantitative Structure Activity Relationships for aquatic toxicity and log KOW may be used in the?
A. GHS D. Complex substance
B. Classification process E. Stability of the substance or changing its composition
C. Potential or actual properties F. None of the Above

**3.4 What is the GHS approach to classifying mixtures?**
155. For consistency and understanding - this missing term - the GHS defines certain terms.
A. Cutoff value/concentration limits D. Degradation/bioaccumulation
B. Provisions for classifying mixtures E. Two or more substances
C. Hazards F. None of the Above

156. Substance: Chemical elements and their compounds in the natural state or obtained by any production process, including any additive necessary to preserve the stability of the product and any impurities deriving from the process used, but excluding any solvent which may be separated without affecting the __________________ or changing its composition.
A. GHS D. Complex substance
B. No experimental data E. Stability of the substance
C. Potential or actual properties F. None of the Above

157. Mixture: Mixtures or solutions composed of ______________ in which they do not react.
A. Cutoff value/concentration limits D. Degradation/bioaccumulation
B. Potential or actual properties E. Two or more substances
C. Hazards F. None of the Above

158. Alloy: An alloy is a metallic material, - this missing term -, consisting of two or more elements so combined that they cannot be readily separated by mechanical means.
A. Homogeneous on a macroscopic scale D. Complex substance
B. Hazardous properties of chemicals E. Stability of the substance composition
C. Potential or actual properties F. None of the Above

159. Where impurities, additives or individual constituents of a substance or mixture have been identified and are themselves classified, they should be taken into account during classification if they exceed the cutoff value/concentration limit for a?
A. Cutoff value/concentration limit D. Degradation/bioaccumulation
B. Given hazard class E. Hazardous properties of chemicals
C. Hazards F. None of the Above

**3.5 What are bridging principles?**
160. Which of the following terms are an important concept in the GHS for classifying untested mixtures?
A. GHS D. Complex substance
B. Bridging principles E. Stability of the substance or changing its composition
C. Potential or actual properties F. None of the Above

161. Dilution: If a mixture is diluted with a diluent that has an equivalent or lower toxicity, then the hazards of the new mixture are assumed to?
A. Cutoff value/concentration limit D. Be equivalent to the original
B. GHS E. Two or more substances
C. Hazards F. None of the Above
162. Batching: If a batch of a complex substance is produced under - this missing term - then the hazards of the new batch are assumed to be equivalent to the previous batches.
A. GHS D. Controlled process
B. Degradation/bioaccumulation E. Stability of the substance or changing its composition
C. Potential or actual properties F. None of the Above

163. Concentration of Highly Toxic Mixtures: If a mixture is severely hazardous, then a concentrated mixture is also assumed to?
A. Cutoff value/concentration limit D. Degradation/bioaccumulation
B. Be severely hazardous E. Two or more substances
C. Hazards F. None of the Above

164. Interpolation within One Toxic Category: Mixtures having component concentrations within a range where the hazards are known are assumed to have those?
A. GHS D. Complex substance
B. Known hazards E. Stability of the substance or changing its composition
C. Potential or actual properties F. None of the Above

165. Substantially Similar Mixtures: Slight changes in the concentrations of components are not expected to change the hazards of a mixture and substitutions involving toxicologically similar components are not expected to change the?
A. Cutoff value/concentration limit D. Degradation/bioaccumulation
B. Hazards of a mixture E. Two or more substances
C. Hazards F. None of the Above

166. Aerosols: An aerosol form of a mixture is assumed to have the same as the tested, non-aerosolized form of the mixture unless the propellant affects the hazards upon spraying.
A. Cutoff value/concentration limit D. Degradation/bioaccumulation
B. GHS E. Two or more substances
C. Hazards F. None of the Above

167. All bridging principles do not apply to every health and environmental endpoint. Consult each endpoint to determine which - this missing term - apply.
A. Bridging principles D. Safety Data Sheets
B. Environmental hazards E. Hazardous properties of chemicals
C. Chemical products F. None of the Above

168. When the bridging principles do not apply or - this missing term -, the health and environmental hazards of mixtures are estimated based on component information.
A. GHS D. Safety Data Sheets
B. Environmental hazards E. Hazardous properties of chemicals
C. Chemical products F. None of the Above

4.0 Hazard Communication
169. As in existing systems, labels and - this missing term - are the main tools for chemical hazard communication.
A. GHS D. Safety Data Sheets
B. Environmental hazards E. Hazardous properties of chemicals
C. Chemical products F. None of the Above
170. Which of the following terms is to identify the intrinsic hazards found in chemical substances and mixtures, and to convey information about these hazards?
A. GHS  D. The goal of the GHS
B. Environmental hazards  E. Hazardous properties of chemicals
C. Chemical products  F. None of the Above

171. The international mandate for the GHS included the development of a harmonized hazard communication system, including labeling, Safety Data Sheets and easily understandable symbols, based on the classification criteria developed for the?
A. GHS  D. Safety Data Sheets
B. Environmental hazards  E. Hazardous properties of chemicals
C. Chemical products  F. None of the Above

172. Early in the process of developing ________________ several significant issues were recognized.
A. GHS communication tools  D. Safety Data Sheets
B. Environmental hazards  E. Hazardous properties of chemicals
C. Chemical products  F. None of the Above

173. One of the most important was comprehensibility of the information provided. After all, the aim of the system is to present hazard information in a manner that the intended audience can easily understand and that will thus minimize the possibility of adverse effects resulting from?
A. Exposure  D. Safety Data Sheets
B. Environmental hazards  E. Hazardous properties of chemicals
C. Chemical products  F. None of the Above

174. The GHS identifies some guiding principles to assist in this process: Information should be conveyed in more than one way, e.g.?
A. Text and symbols  D. Safety Data Sheets
B. Environmental hazards  E. Hazardous properties of chemicals
C. Chemical products  F. None of the Above

175. The comprehensibility of the components of the system should take account of existing studies and literature as well as any evidence gained from?
A. GHS  D. Safety Data Sheets
B. Environmental hazards  E. Hazardous properties of chemicals
C. Testing  F. None of the Above

176. The phrases used to indicate degree of hazard should be consistent across the health, physical and?
A. GHS  D. Safety Data Sheets
B. Environmental hazards  E. Hazardous properties of chemicals
C. Chemical products  F. None of the Above

4.2 Labels
4.2.1 What does a label look like?
177. Existing systems have labels that look different for the?
A. GHS  D. Safety Data Sheets
B. Environmental hazards  E. Hazardous properties of chemicals
C. Chemical products  F. None of the Above
178. Different agencies regulate the workplace, consumers, agricultural chemicals and transport- this missing term - for these sectors/target audiences vary both in the U.S. and globally.
A. Labels D. Safety Data Sheets
B. Environmental hazards E. Hazardous properties of chemicals
C. Chemical products F. None of the Above

179. For hazardous products being transported, outer containers have required label elements, product identifier and hazard symbols_______________ are in addition to workplace or end use label requirements.
A. Transportation requirements D. Safety Data Sheets
B. Environmental hazards E. Hazardous properties of chemicals
C. Chemical products F. None of the Above

Agricultural Chemicals and Pesticides
180. A pesticide product with the same hazards as ToxiFlam would have a label developed using?
A. Pictogram D. Purple Book
B. FIFRA requirements E. GHS hazard class and category
C. Hazards F. None of the Above

181. Which of the following terms has requirements for product identity, chemical identity, signal word, hazard statements, and precautionary measures including first aid?
A. GHS pictogram D. FIFRA
B. GHS symbols E. Hazard statements
C. GHS hazards F. None of the Above

4.3 What are the GHS label elements?
182. Some _________________have been standardized (identical with no variation) and are directly related to the endpoints and hazard level.
A. Pictogram D. GHS label elements
B. GHS E. GHS hazard class and category
C. Hazards F. None of the Above

The standardized label elements included in the GHS are:
183. Symbols: Convey health, physical and environmental hazard information, assigned to a?
A. GHS pictogram D. GHS hazard class and category
B. GHS symbols E. Hazard statements
C. GHS hazards F. None of the Above

184. Signal Words: "Danger" or "Warning" are used to emphasize hazards and indicate the relative level of severity of the hazard, assigned to a?
A. Pictogram D. Purple Book
B. GHS E. GHS hazard class and category
C. Hazards F. None of the Above

185. Hazard Statements: Standard phrases assigned - this missing term - and category that describe the nature of the hazard.
A. GHS pictogram D. Hazard class
B. GHS symbols E. Hazard statements
C. GHS hazards F. None of the Above
186. The symbols, signal words, and hazard statements have all been standardized and assigned to specific hazard categories and classes, as appropriate. This approach makes it easier for countries to implement the system and should make it easier for companies to comply with regulations based on the?
A. Pictogram D. Purple Book
B. GHS E. GHS hazard class and category
C. Hazards F. None of the Above

187. The use of symbols, signal words or hazard statements other than those that have been assigned to each - this missing term - would be contrary to harmonization.
A. GHS pictogram D. FIFRA
B. GHS symbols E. Hazard statements
C. GHS hazards F. None of the Above

188. The Section numbers refer to the sections in _________________ or "Purple Book".
A. Pictogram D. GHS Document
B. GHS E. GHS hazard class and category
C. Hazards F. None of the Above

4.3.1 Symbols/Pictograms
189. The GHS symbols have been incorporated into pictograms for use on the?
A. GHS pictogram D. GHS label
B. GHS symbols E. Hazard statements
C. GHS hazards F. None of the Above

190. For transport, _________________ will have the background, symbol and colors currently used in the UN Recommendations on the Transport of Dangerous Goods, Model Regulations.
A. Pictograms D. Purple Book
B. GHS E. GHS hazard class and category
C. Hazards F. None of the Above

191. A black frame may be used for shipments within one country. Where a transport pictogram appears, the- this missing term - for the same hazard should not appear.
A. GHS pictograms D. FIFRA
B. GHS symbols E. Hazard statements
C. GHS hazards F. None of the Above

4.3.2 Signal Words
192. The signal word indicates the relative degree of?
A. Pictogram D. Severity a hazard
B. GHS E. GHS hazard class and category
C. Hazards F. None of the Above

193. "Danger" for the more?
A. GHS pictogram D. Severe hazards
B. GHS symbols E. Hazard statements
C. GHS hazards F. None of the Above
194. "Warning" for the?
A. Pictogram  D. Less severe hazards
B. GHS  E. GHS hazard class and category
C. Hazards  F. None of the Above

195. Which of the following terms are standardized and assigned to the hazard categories within endpoints?
A. GHS pictogram  D. Signal words
B. GHS symbols  E. Hazard statements
C. GHS hazards  F. None of the Above

4.3.3 Hazard Statements
196. An appropriate statement for each - this missing term - should be included on the label for products possessing more than one hazard.
A. GHS pictogram  D. Signal words
B. GHS symbols  E. Hazard statements
C. GHS hazard  F. None of the Above

Other GHS label elements include:
197. Precautionary Statements and _____________:- Measures to minimize or prevent adverse effects.
A. Pictograms  D. Signal words
B. GHS symbols  E. Hazard statements
C. GHS hazards  F. None of the Above

198. Product Identifier: Name or number used for a hazardous product on a label or in the?
A. GHS pictogram  D. SDS
B. GHS symbols  E. Hazard statements
C. GHS hazards  F. None of the Above

199. Supplier identification: The name, address and telephone number should be provided on?
A. The label  D. Prevent adverse effects
B. Annex 3  E. Precautionary information
C. GHS label  F. None of the Above

200. Supplemental information?
A. Name or number  D. Non-harmonized information
B. Annex 3  E. UN proper shipping name
C. The label  F. None of the Above

4.3.4 Precautionary Statements and Pictograms
201. First aid is included in?
A. The label  D. Prevent adverse effects
B. Annex 3  E. Precautionary information
C. GHS label  F. None of the Above

202. Which of the following terms includes four types of precautionary statements covering: prevention, response in cases of accidental spillage or exposure, storage, and disposal?
A. Name or numbers  D. Non-harmonized information
B. Annex 3  E. UN proper shipping name
C. The label  F. None of the Above
203. The precautionary statements have been linked to each- this missing term - and type of hazard. The goal is to promote consistent use of precautionary statements.

A. The label  
B. Annex 3  
C. GHS label  
D. GHS hazard statement  
E. Precautionary information  
F. None of the Above

204. Which of the following terms is guidance and is expected to be further refined and developed over time.

A. The label  
B. Annex 3  
C. GHS label  
D. Prevent adverse effects  
E. Precautionary information  
F. None of the Above

4.3.5 Product Identifier (Ingredient Disclosure)

205. A product identifier should be used on a GHS label and it should match the product identifier used on the?

A. Name or number  
B. Annex 3  
C. The label  
D. Harmonized information  
E. SDS  
F. None of the Above

206. The GHS label for a substance should include the - this missing term - of the substance (name as determined by IUPAC, ISO, CAS or technical name).

A. The label  
B. Annex 3  
C. GHS label  
D. Prevent adverse effects  
E. Chemical identity  
F. None of the Above

207. The label should include the chemical identities of all ingredients that contribute to acute toxicity, skin corrosion or serious eye damage, germ cell mutagenicity, carcinogenicity, reproductive toxicity, skin or respiratory sensitization, or Target Organ Systemic Toxicity, when these hazards appear on?

A. Name or number  
B. Annex 3  
C. The label  
D. Non-harmonized information  
E. UN proper shipping name  
F. None of the Above

208. Where a product is supplied exclusively for workplace use, the Competent Authority may give suppliers discretion to include chemical identities on - this missing term - in lieu of including them on labels.

A. Name or number  
B. Annex 3  
C. The label  
D. Harmonized information  
E. SDS  
F. None of the Above

209. Which of the following terms rules for confidential business information (CBI) take priority over the rules for product identification?

A. The label  
B. Annex 3  
C. GHS label  
D. Prevent adverse effects  
E. Precautionary information  
F. None of the Above
4.3.6 Supplier Identification
210. The name, address and telephone number of the manufacturer or supplier of the product should be provided on?
A. The label  D. Prevent adverse effects
B. Annex 3  E. Precautionary information
C. GHS label  F. None of the Above

4.3.7 Supplemental Information
211. Supplemental label information is non-harmonized information on the container of a hazardous product that is not required or specified under the?
A. Competent Authority  D. Actual label format or layout
B. Corrosive symbol  E. GHS
C. Supplemental information  F. None of the Above

212. Which of the following terms provides guidance to ensure that supplemental information does not lead to wide variation in information or undermine the GHS information?
A. Hazard statement  D. Health hazard symbol
B. Corrosive symbol  E. GHS
C. GHS hazard pictograms  F. None of the Above

213. Supplemental information may be used to provide further detail that does not contradict or cast doubt on the validity of the standardized hazard information. It also may be used to provide information about hazards not yet incorporated into the?
A. Competent Authority  D. Actual label format or layout
B. Corrosive symbol  E. GHS
C. Supplemental information  F. None of the Above

214. The labeler should have the option of providing supplementary information related to the hazard, such as physical state or route of exposure, with the?
A. Hazard class  D. Health hazard symbol
B. Hazard statement  E. GHS label
C. GHS hazard pictograms  F. None of the Above

4.4 How are multiple hazards handled on labels?
215. Where a substance or mixture presents more than one GHS hazard, there is a ______________ for pictograms and signal words.
A. Hazard statement  D. Actual label format or layout
B. Corrosive symbol  E. GHS precedence scheme
C. Supplemental information  F. None of the Above

216. If the skull and crossbones applies, - this missing term - should not appear;
A. Hazard statement  D. Health hazard symbol
B. Exclamation mark  E. GHS label
C. GHS hazard pictogram  F. None of the Above

217. If the corrosive symbol applies, - this missing term - should not appear where it is used for skin or eye irritation;
A. Exclamation mark  D. Actual label format or layout
B. Corrosive symbol  E. GHS precedence scheme
C. Supplemental information  F. None of the Above
218. If the health hazard symbol appears for respiratory sensitization, ____________________ should not appear where it is used for skin sensitization or for skin or eye irritation.
A. Hazard statement D. Health hazard symbol
B. Exclamation mark E. GHS label
C. GHS hazard pictograms F. None of the Above

219. If the signal word 'Danger' applies, the signal word 'Warning' should not appear. All assigned ______________________ should appear on the label.
A. Hazard statements D. Actual label format or layout
B. Corrosive symbol E. GHS precedence scheme
C. Supplemental information F. None of the Above

4.5 Is there a specific GHS label format / layout?
220. The GHS hazard pictograms, signal word and - this missing term - should be located together on the label.
A. Hazard statement D. Health hazard symbol
B. Exclamation mark E. GHS label
C. Supplemental information F. None of the Above

221. The actual label format or layout is not specified in the?
A. Supplemental information D. Actual label format or layout
B. Corrosive symbol E. GHS precedence scheme
C. Supplemental information F. None of the Above

4.7 Are workplace containers covered in the GHS?
222. Products falling within the scope of the GHS will carry the- this missing term - at the point where they are supplied to the workplace, and that label should be maintained on the supplied container in the workplace.
A. Hazard statement D. Health hazard symbol
B. Exclamation mark E. GHS label
C. GHS hazard pictograms F. None of the Above

223. The Competent Authority can allow employers to use alternative means of giving workers the same information in a different written or displayed format when such a format is more appropriate to the workplace and communicates the information as effectively as the?
A. GHS label D. Actual label format or layout
B. Corrosive symbol E. GHS precedence scheme
C. Supplemental information F. None of the Above

224. Which of the following terms could be displayed in the work area, rather than on the individual containers?
A. Label information D. Actual label format or layout
B. Corrosive symbol E. GHS precedence scheme
C. Supplemental information F. None of the Above

225. Chemicals may be transferred from supplier containers include: containers for laboratory testing, storage vessels, piping or- this missing term - or temporary containers where the chemical will be used by one worker within a short timeframe.
A. Process reaction systems D. Actual label format or layout
B. Corrosive symbol E. GHS precedence scheme
C. Supplemental information F. None of the Above
4.8 What is the GHS Safety Data Sheet (SDS)?

226. The Safety Data Sheet provides comprehensive information for use in?
A. SDS information  D. Workplace chemical management
B. Supplemental information  E. GHS SDS content and format
C. Training requirements  F. None of the Above

227. Employers and workers use - this missing term - about hazards and to obtain advice on safety precautions.
A. SDS information  D. MSDS/SDS content
B. SDS as sources of information  E. GHS SDS content and format
C. Training requirements  F. None of the Above

228. The SDS is product related and, usually, is not able to provide information that is __________ for any given workplace where the product may be used.
A. SDS information  D. MSDS/SDS content
B. New and significant  E. GHS SDS content and format
C. Training requirements  F. None of the Above

229. Which of the following terms enables the employer to develop an active program of worker protection measures, including training, which is specific to the individual workplace and to consider any measures that may be necessary to protect the environment?
A. SDS information  D. MSDS/SDS content
B. New and significant  E. GHS SDS content and format
C. Competent Authority  F. None of the Above

230. Which of the following terms also provides a source of information for other target audiences such as those involved with the transport of dangerous goods, emergency responders, poison centers, those involved with the professional use of pesticides and consumers?
A. Information in a SDS  D. MSDS/SDS content
B. New and significant  E. GHS SDS content and format
C. Competent Authority  F. None of the Above

4.9 What is the difference between the GHS SDS and existing MSDSs/SDSs?

231. SDSs are in use globally. So it is useful to have an understanding of the similarities and differences in the existing MSDS/SDS content and format and the?
A. SDS information  D. MSDS/SDS content
B. New and significant  E. GHS SDS content and format
C. Competent Authority  F. None of the Above

4.10 When should SDSs and labels be updated?

232. All hazard communication systems should specify a means of responding in an appropriate and timely manner to new information and updating labels and?
A. SDS information  D. MSDS/SDS content
B. New and significant  E. GHS SDS content and format
C. The revised HCS  F. None of the Above
233. Which of the following terms - may choose to specify a time limit within which the information should be revised?
A. SDS information D. MSDS/SDS content
B. New and significant E. GHS SDS content and format
C. Competent Authority F. None of the Above

234. Suppliers should respond to "- this missing term - " information they receive about a chemical hazard by updating the label and safety data sheet for that chemical.
A. SDS information D. MSDS/SDS content
B. New and significant E. GHS SDS content and format
C. Competent Authority F. None of the Above

235. Which of the following terms - information is any information that changes the GHS classification and leads to a change in the label information?
A. SDS information D. MSDS/SDS content
B. New and significant E. GHS SDS content and format
C. Competent Authority F. None of the Above

4.11 How does the GHS address Confidential Business Information (CBI)?
236. Confidential business information will not be harmonized under the GHS. National authorities should establish appropriate mechanisms for?
A. OSHA D. Revised Hazard Communication Standard (HCS)
B. The labels E. Training requirements
C. CBI protection F. None of the Above

237. The GHS established CBI principles which include: ________________ should not compromise the health and safety of users;
A. Mechanisms D. CBI provisions
B. The revised HCS E. The chemical manufacturer
C. Alternative labeling systems F. None of the Above

238. Which of the following terms claims should be limited to the names of chemicals and their concentrations in mixtures?
A. OSHA D. Revised Hazard Communication Standard (HCS)
B. CBI E. Training requirements
C. Warning labels F. None of the Above

239. Mechanisms should be established for disclosure in emergency and?
A. Non-emergency situations D. Additional target audiences
B. The revised HCS E. The chemical manufacturer
C. Alternative labeling systems F. None of the Above

4.12 Does the GHS address training?
240. Which of the following terms should be appropriate for and commensurate with the nature of the work or exposure?
A. OSHA D. Revised Hazard Communication Standard (HCS)
B. The labels E. Training requirements
C. Warning labels F. None of the Above
241. Key target audiences include workers, emergency responders and also those responsible for?
A. Mechanisms D. Additional target audiences
B. The revised HCS E. Developing labels and SDSs
C. Alternative labeling systems F. None of the Above

242. These should include training for persons involved in transport and strategies required for educating consumers in _________________ on products that they use.
A. Interpreting label information D. Revised Hazard Communication Standard
B. The labels E. Training requirements
C. Warning labels F. None of the Above

How will labels change under the revised Hazard Communication Standard? For QA/QC these question may repeat.
243. Under- this missing term - once the hazard classification is completed, the standard specifies what information is to be provided for each hazard class and category.
A. Mechanisms D. Additional target audiences
B. The revised HCS E. The chemical manufacturer
C. Alternative labeling systems F. None of the Above

Can I use a black border on pictograms for domestic shipment?
244. Under the _______________, pictograms must have red borders. OSHA believes that the use of the red frame will increase recognition and comprehensibility.
A. OSHA D. Revised Hazard Communication Standard (HCS)
B. The labels E. Training requirements
C. Warning labels F. None of the Above

Will OSHA allow blank red borders?
245. If this missing term were to allow blank red borders, workers may be confused about what they mean and concerned that some information is missing.
A. Mechanisms D. Additional target audiences
B. OSHA E. The chemical manufacturer
C. Alternative labeling systems F. None of the Above

246. Which of the following terms has determined that prohibiting the use of blank red borders on labels is necessary to provide the maximum recognition and impact of warning labels and to ensure that users do not get desensitized to the warnings placed on labels.
A. OSHA D. Revised Hazard Communication Standard (HCS)
B. The labels E. Training requirements
C. Warning labels F. None of the Above

When must label information be updated?
247. In the revised Hazard Communication Standard, OSHA is lifting the stay on enforcement regarding the provision to update labels when - this missing term - becomes available.
A. Mechanisms D. Additional target audiences
B. New information on hazards E. The chemical manufacturer
C. Alternative labeling systems F. None of the Above
248. Chemical manufacturers, importers, distributors, or employers who become newly aware of any significant information regarding the hazards of a chemical shall - this missing term - within **six months** of becoming aware of the new information, and shall ensure that labels on containers of hazardous chemicals shipped after that time contain the new information.

A. OSHA  
B. Revise the labels  
C. Revise the warning labels  
D. Revise the labels for the chemical  
E. Revise the training requirements  
F. None of the Above

249. If the chemical is not currently produced or imported, the chemical manufacturer, importer, distributor, or employer shall add the information to_____________ before the chemical is shipped or introduced into the workplace again.

A. The label  
B. The revised HCS  
C. Alternative labeling systems  
D. Additional target audiences  
E. The chemical manufacturer  
F. None of the Above

**How will workplace labeling provisions be changing under the revised Hazard Communication Standard?**

250. The current standard provides employers with flexibility regarding the type of system to be used in their workplaces and OSHA has retained that flexibility in the?

A. OSHA  
B. The labels  
C. Warning labels  
D. Revised Hazard Communication Standard (HCS)  
E. Training requirements  
F. None of the Above

251. Employers may choose to label workplace containers either with the same label that would be on shipped containers for the chemical under the revised rule, or with label alternatives that meet the?

A. Mechanisms  
B. The revised HCS  
C. Requirements for the standard  
D. Additional target audiences  
E. Chemical manufacturer  
F. None of the Above

252. Which of the following terms - such as the National Fire Protection Association 704 Hazard Rating and the Hazardous Material Information System are permitted for workplace containers.

A. OSHA  
B. The labels  
C. Warning labels  
D. Alternative labeling systems  
E. Training requirements  
F. None of the Above

**How is the Safety Data Sheet (SDS) changing under the revised Hazard Communication Standard?**

253. The information required on the safety data sheet (SDS) will remain essentially the same as that in the?

A. SDS  
B. HCS  
C. OSHA  
D. Permissible exposure limits (PELs)  
E. Current standard  
F. None of the Above

254. The revised HCS requires that the information on the SDS is presented using consistent headings in a?

A. SDS  
B. EPA  
C. OSHA  
D. Permissible exposure limits (PELs)  
E. Specified sequence  
F. None of the Above
**Will TLVs be required on the Safety Data Sheet (SDS)?**

255. OSHA finds that requiring TLVs on the __________ will provide employers and employees with useful information to help them assess the hazards presented by their workplaces.

A. MSDS  D. Permissible exposure limits (PELs)
B. HCS    E. SDS
C. OSHA   F. None of the Above

256. OSHA __________________________, and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet are also required.

A. SDS  D. Permissible exposure limits (PELs)
B. HCS    E. Threshold Limit Values (TLVs)
C. OSHA   F. None of the Above

**May the International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP) lists be used to make carcinogen classifications?**

257. In the revised Hazard Communication Standard, __________ has provided classifiers with the option of relying on the classification listings of IARC and NTP.

A. SDS  D. Permissible exposure limits (PELs)
B. HCS    E. Threshold Limit Values (TLVs)
C. OSHA   F. None of the Above

258. Which of the following terms has provided in non-mandatory Appendix F of the revised rule, guidance on hazard classification for carcinogenicity?

A. SDS  D. Permissible exposure limits (PELs)
B. HCS    E. Threshold Limit Values (TLVs)
C. OSHA   F. None of the Above

**Will the International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP) classifications be required on the Safety Data Sheet (SDS)?**

259. If OSHA finds a chemical to be a carcinogen, it must be noted on - this missing term - as well.

A. SDS  D. Permissible exposure limits (PELs)
B. HCS    E. Threshold Limit Values (TLVs)
C. OSHA   F. None of the Above

**How has OSHA addressed hazards covered under the current Hazard Communication Standard that have not been addressed by the GHS?**

260. OSHA provided several examples: simple asphyxiants, and combustible dust in a separate category called?

A. SDS  D. Hazardous chemical
B. OSHA   E. Unclassified Hazards
C. HCS    F. None of the Above

**How has OSHA addressed pyrophoric gases, simple asphyxiants, and combustible dust?**

261. In the revised Hazard Communication Standard (HCS), OSHA has added pyrophoric gases, simple asphyxiants and combustible dust to the definition of?

A. SDS  D. Hazardous chemical
B. OSHA   E. Unclassified Hazards
C. HCS    F. None of the Above
**Pyrophoric gases:**

262. OSHA has provided label elements for pyrophoric gases that include the signal word "danger" and the - this missing term - "catches fire spontaneously if exposed to air".

A. SDS  
B. OSHA  
C. Hazard statement

**Simple asphyxiants:**

263. In the final HCS, simple asphyxiants must be labeled where appropriate, and be addressed on?

A. SDS  
B. OSHA  
C. Hazard statement

264. OSHA has provided label elements for simple asphyxiants which include the signal word "_________________" and the hazard statement "may displace oxygen and cause rapid suffocation".

A. SDS  
B. Warning  
C. Hazard statement

**Combustible dust:**

265. OSHA has not provided a definition for combustible dust to - this missing term - given ongoing activities in the specific rulemaking, as well as in the United Nations Sub-Committee of Experts on the GHS.

A. SDSs  
B. OSHA  
C. HCS

266. Label elements are provided for combustible dust in the final HCS and include the signal word "_________________" and the hazard statement "May form combustible dust concentrations in the air".

A. SDSs  
B. Warning  
C. Hazard statement

267. For chemicals in a solid form that do not present a combustible dust hazard, but may form combustible dusts while being processed in normal downstream uses, paragraph (f)(4) of the HCS allows the chemical manufacturer some flexibility in?

A. GHS revisions  
B. Labeling requirements  
C. Revised HCS

268. The manufacturer or importer may transmit the label to the customer at the time of the initial shipment, but - this missing term - does not need to be included with subsequent shipments unless it changes.

A. SDSs  
B. OSHA  
C. HCS
269. This provides the needed information to the downstream users on the - this missing term - in the workplace, while acknowledging that the solid metal or other materials do not present the same hazards that are produced when these materials are processed under normal conditions of use.
A. Potential hazards  D. Hazardous chemical
B. Warning  E. Unclassified Hazards
C. Hazard statement  F. None of the Above

What are the estimated benefits attributable to the revised Hazard Communication Standard?

270. Which of the following terms expects that the modifications to the Hazard Communication Standard will result in increased safety and health for the affected employees and reduce the numbers of accidents, fatalities, injuries?
A. SDSs  D. Label
B. OSHA  E. NFPA
C. HCS  F. None of the Above

271. The GHS revisions to the ____________ for labeling and safety data sheets would enable employees exposed to workplace chemicals to more quickly obtain and to more easily understand information about the hazards associated with those chemicals.
A. GHS revisions  D. Normal conditions of use
B. HCS standard  E. Clarification of text
C. Revised HCS  F. None of the Above

272. In addition, the revisions to - this missing term - are expected to improve the use of appropriate exposure controls and work practices that can reduce the safety and health risks associated with exposure to hazardous chemicals.
A. SDSs  D. Label
B. OSHA  E. NFPA
C. HCS  F. None of the Above

273. OSHA estimates that ____________ will result in the prevention of 43 fatalities and 585 injuries and illnesses annually.
A. SDSs  D. Label
B. OSHA  E. Revised HCS
C. HCS  F. None of the Above

274. OSHA estimates that - this missing term - will result in savings of $475.2 million from productivity improvements for health and safety managers and logistics personnel, $32.2 million during periodic updating of SDSs and labels, and $285.3 million from simplified hazard communication training.
A. SDSs  D. Label
B. OSHA  E. Revised HCS
C. HCS  F. None of the Above

275. In providing training to new employees as required by ____________ through the improved consistency of the labels and SDSs. (3) for firms engaging in, or considering engaging in, international trade.
A. SDSs  D. Label
B. OSHA  E. Existing OSHA HCS
C. HCS  F. None of the Above
I understand that the United Nations revises the GHS every two years. How will OSHA manage and communicate changes to the Hazard Communication Standard?

276. It is expected that - this missing term - will be a living document and is expected to remain up-to-date and relevant; therefore, further changes may be adopted on a two-year cycle.
A. GHS   D. Normal conditions of use
B. OSHA   E. Clarification of text
C. Revised HCS  F. None of the Above

The NEW OSHA Hazard Communication Standard (HCS)
1910.1200(a)(1)
277. The purpose of this section is to ensure that the hazards of all chemicals produced or imported are classified, and that information concerning _________________ is transmitted to employers and employees.
A. Labeling regulations  D. Handle chemicals in sealed containers
B. Employee training   E. Employers and employees
C. Chemical substance or mixture F. None of the Above

278. Which of the following terms of this section are intended to be consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals?
A. Hazards  D. Hazardous chemicals
B. Any pesticide  E. Requirements
C. Hazardous waste  F. None of the Above

279. Which of the following terms is to be accomplished by means of comprehensive hazard communication programs, which are to include container labeling and other forms of warning, safety data sheets and employee training?
A. Labeling regulations  D. Handle chemicals in sealed containers
B. Employee training  E. Employers and employees
C. Transmittal of information  F. None of the Above

1910.1200(a)(2)
280. This occupational safety and health standard is intended to address comprehensively the issue of classifying - this missing term - of chemicals, and communicating information concerning hazards and appropriate protective measures to employees, and to preempt any legislative or regulatory enactments of a state, or political subdivision of a state, pertaining to this subject.
A. Hazards  D. Hazardous chemicals
B. Any pesticide  E. Potential hazards
C. Hazardous waste  F. None of the Above

1910.1200(b)(4)
281. In work operations where employees only handle chemicals in sealed containers which are not opened under normal conditions of use, this section applies to - this missing term - only as follows...
A. Labeling regulations  D. Handle chemicals in sealed containers
B. Employee training  E. Employers and employees
C. Chemical substance or mixture  F. None of the Above
1910.1200(b)(4)(ii)  
282. Employers shall maintain copies of any safety data sheets that are received with incoming shipments of the sealed containers of hazardous chemicals, shall obtain a safety data sheet as soon as possible for sealed containers of- this missing term - received without a safety data sheet if an employee requests the safety data sheet.  
A. Hazards  D. Hazardous chemicals  
B. Any pesticide  E. CERCLA  
C. Hazardous waste  F. None of the Above

1910.1200(b)(5)(i)  
283. Any pesticide as such term is defined in the Federal Insecticide, Fungicide, and Rodenticide Act, when subject to the labeling requirements of that Act and labeling regulations issued under that Act by the?  
A. Hazards  D. Environmental Protection Agency  
B. Any pesticide  E. CERCLA  
C. Hazardous waste  F. None of the Above

1910.1200(b)(5)(ii)  
284. Any chemical substance or mixture as such terms are defined in the Toxic Substances Control Act, when subject to the labeling requirements of that Act and labeling regulations issued under that Act by the?  
A. Hazards  D. Environmental Protection Agency  
B. Any pesticide  E. CERCLA  
C. Hazardous waste  F. None of the Above

285. Any hazardous waste as such term is defined by the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976, as amended, when subject to regulations issued under that Act by the?  
A. Hazards  D. Environmental Protection Agency  
B. Any pesticide  E. CERCLA  
C. Hazardous waste  F. None of the Above

1910.1200(b)(6)(ii)  
286. Any hazardous substance as such term is defined by the Comprehensive Environmental Response, Compensation and Liability Act when the hazardous substance is the focus of remedial or removal action being conducted under- this missing term - in accordance with Environmental Protection Agency regulations.  
A. Hazards  D. Environmental Protection Agency  
B. Any pesticide  E. CERCLA  
C. Hazardous waste  F. None of the Above

1910.1200(c)  
287. Which of the following terms - means a manufactured item other than a fluid or particle: (i) which is formed to a specific shape or design during manufacture?  
A. Hazards  D. Hazardous chemicals  
B. Any pesticide  E. Article  
C. Hazardous waste  F. None of the Above
288. Which of the following terms means a worker who may be exposed to hazardous chemicals under normal operating conditions or in foreseeable emergencies?
A. Employee  D. Responsible party
B. Importer  E. Designated representative
C. Employer  F. None of the Above

289. Which of the following terms means a person engaged in a business where chemicals are either used, distributed, or are produced for use or distribution, including a contractor or subcontractor?
A. Employee  D. Responsible party
B. Importer  E. Designated representative
C. Employer  F. None of the Above

290. Which of the following terms means any individual or organization to whom an employee gives written authorization to exercise such employee's rights?
A. Employee  D. Responsible party
B. Importer  E. Designated representative
C. Employer  F. None of the Above

291. Which of the following terms means to manufacture, process, formulate, blend, extract, generate, emit, or repackage?
A. Produce  D. Precautionary statement
B. Product identifier  E. Foreseeable emergency
C. Hazard category  F. None of the Above

292. Which of the following terms means the name or number used for a hazardous chemical on a label or in the SDS?
A. Produce  D. Precautionary statement
B. Product identifier  E. Foreseeable emergency
C. Hazard category  F. None of the Above

293. Which of the following terms means a statement assigned to a hazard class and category that describes the nature of the hazard(s) of a chemical, including, where appropriate, the degree of hazard.
A. Common name  D. Hazardous chemical
B. Container  E. Health hazard
C. Hazard statement  F. None of the Above

294. Which of the following terms means any chemical which is classified as a physical hazard or a health hazard, a simple asphyxiant, combustible dust, pyrophoric gas, or hazard not otherwise classified?
A. Common name  D. Hazardous chemical
B. Container  E. Health hazard
C. Hazard statement  F. None of the Above

295. Which of the following terms means a chemical which is classified as posing one of the following hazardous effects: acute toxicity; skin corrosion or irritation; serious eye damage or eye irritation?
A. Common name  D. Hazardous chemical
B. Container  E. Health hazard
C. Hazard statement  F. None of the Above
296. Which of the following terms means any potential occurrence such as, but not limited to, equipment failure, rupture of containers, or failure of control equipment which could result in an uncontrolled release of a hazardous chemical into the workplace?
   A. Produce   D. Precautionary statement
   B. Product identifier   E. Foreseeable emergency
   C. Hazard category   F. None of the Above

297. Which of the following terms means the division of criteria within each hazard class, e.g., oral acute toxicity and flammable liquids include four hazard categories?
   A. Produce   D. Precautionary statement
   B. Product identifier   E. Foreseeable emergency
   C. Hazard category   F. None of the Above

298. Which of the following terms means that an employee is subjected in the course of employment to a chemical that is a physical or health hazard, and includes potential exposure?
   A. Common name   D. Hazardous chemical
   B. Exposure or exposed   E. Health hazard
   C. Hazard statement   F. None of the Above

299. Which of the following terms means any designation or identification such as code name, code number, trade name, brand name or generic name used to identify a chemical other than by its chemical name?
   A. Common name   D. Hazardous chemical name
   B. Brand name   E. Health hazard
   C. Hazard statement   F. None of the Above

300. Which of the following terms means any bag, barrel, bottle, box, can, cylinder, drum, reaction vessel, storage tank, or the like that contains a hazardous chemical?
   A. Common name   D. Hazardous chemical
   B. Container   E. Health hazard
   C. Hazard statement   F. None of the Above

You are finished with your assignment.