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## Introduction to Safety

### Summative Exam 1

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1. OSHA stands for \_\_\_\_\_.
  - a. Organization of Health and Human Agency
  - b. Occupational Safety and Health Action
  - c. Occupational Safety and Health Administration
  - d. Organization of Safety and Health Agency
  
2. OSHA was the only agency formed by the Occupational Safety and Health Act of 1970.
  - a. True
  - b. False
  
3. Several federal agencies enforce regulations concerning the workplace. The Federal agency concerned with enforcement of safety regulations is \_\_\_\_\_.
  - a. EPA
  - b. OSHA
  - c. DOT
  - d. NIOSH
  
4. In addition to OSHA being operated at the federal level, national level, there are also some OSHA agencies that operate at the state level.
  - a. True
  - b. False
  
5. Which type of event does not prompt an OSHA inspection?
  - a. An employee complaint
  - b. A workplace fatality
  - c. A report of imminent danger in the workplace
  - d. None of the above
  
6. Most of OSHA's inspection is targeted at companies that have an elevated number of employee complaints, injuries and a history of past citations.
  - a. True
  - b. False
  
7. A company is not required to have which type of document on record
  - a. Employee training records
  - b. OSHA form 300
  - c. A written safety program
  - d. None of the above





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## Introduction to Safety

### Summative Exam 1

---

8. Employers can be fined or imprisoned for violating OSHA standards.
  - a. True
  - b. False
  
9. An OSHA citation posting can be removed \_\_\_\_\_.
  - a. after 3 days
  - b. until abated
  - c. a or b, whichever occurs sooner
  - d. 15 days
  
10. Which OSHA citation can result in the largest monetary penalty of \$70,000
  - a. Willful violation
  - b. Serious violation
  - c. Repeated violation
  - d. Both a and c
  
11. After an OSHA citation has been corrected, which of the following steps are not required by the employer?
  - a. Certify the hazard has been corrected
  - b. Notify company employees
  - c. Send documents to OSHA
  - d. None of the above
  
12. An appeal to an OSHA citation is 30 days.
  - a. True
  - b. False
  
13. The General Duty Clause requires employers to provide a workplace free of recognized hazards.
  - a. True
  - b. False
  
14. According to the General Duty Clause, employees do not have any responsibilities.
  - a. True
  - b. False
  
15. The General Duty Clause is not a safety standard.
  - a. True
  - b. False





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## Introduction to Safety

### Summative Exam 1

---

16. A *Significant Findings Letter* is an OSHA citation document.
- True
  - False
17. Who should be involved in writing safety programs for the company?
- Managers
  - Safety Officer
  - Employees
  - All of the above
18. Employees cannot be reprimanded for discussing safety concerns unless they involve \_\_\_\_.
- their supervisor
  - other employees
  - OSHA
  - None of the above
19. Under the General Duty Clause, an employer cannot receive a citation unless a potential hazard is identified by OSHA before the inspection.
- True
  - False
20. An OSHA citation is formally issued in the form of \_\_\_\_.
- a court document
  - a certified letter
  - a document delivered by the local police
  - verbal notification during the closing conference during the inspection
21. The employee who usually greets the OSHA and initiates the inspection process is the \_\_\_\_.
- safety officer
  - security guard
  - receptionist
  - company president
22. When interviewing an employee, the CSHO attempts to determine \_\_\_\_.
- their level of safety knowledge
  - the safety culture at the company
  - if he/she has safety concerns
  - All of the above





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## Introduction to Safety

### Summative Exam 1

---

23. An OSHA citation should not be contested \_\_\_\_\_.  
a. if the company has an ideological disagreement with the CSHO  
b. unless there is documentation that supports the disagreement  
c. for the simple reason the company does not want to spend the money to make the correction  
d. All of the above
24. OSHA provides a call-free call center that is available \_\_\_\_\_.  
a. during working hours  
b. 16 hours during each weekday  
c. 24/7  
d. 12 hours per day, 7 days a week
25. Identifying potential hazards is one of the first steps in preventing slip, trip, and fall injuries and accidents.  
a. True  
b. False
26. Slip-resistant footwear will always prevent slips.  
a. True  
b. False
27. Which action does not help to prevent a trip hazard?  
a. clean up spills  
b. do not carry things that block vision  
c. remove a wrinkle from a rug  
d. None of the above
28. You should always use an aluminum ladder.  
a. True  
b. False
29. Ladder rungs should be clean and free from grease, oil, and other contaminant that may cause them to be slippery.  
a. True  
b. False





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## Introduction to Safety

### Summative Exam 1

---

30. Which of the following is **NOT** a requirement of a fixed ladder?
- The length of the rung has to be 16"
  - The distance between rungs shall exceed 16"
  - Cages are required on all fixed ladders over 20'
  - They are attached to a structure, building, or equipment
31. Do not stand on the top \_\_\_\_\_ step/s of a step ladder.
- 2
  - 3
  - 4
  - None of the above
32. Describe the 4-to-1 rule when setting up a ladder.
- You should spend no more than 25% of your time on a ladder
  - The proper mixture of rubber to acetylene in welding ladder rungs
  - Angle the ladder properly: The ladder bottom should be one foot away from the wall for every four feet that the ladder rises (i.e., if the ladder touches the wall 16 feet above the ground, the feet of the ladder should be four feet from where the ladder touches the roof).
  - Four individuals are needed to steady the ladder when one is on the top rung of the ladder when changing light bulbs.
33. A \_\_\_\_\_ measures less than 12 inches but more than 1 inch.
- floor opening
  - floor hole
  - skylight
  - guardrail
34. What is not a long-term, or chronic effect of overexposure to chemicals?
- Sudden spontaneous combustion
  - Allergies
  - Chemical sensitization
  - Lung and/or liver damage, cancer





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## Introduction to Safety

### Summative Exam 1

---

35. What is the purpose of a guardrail?
- A guardrail acts as a barrier along any open edge to protect employees and objects from falling over the open edge to a lower level.
  - Used to guide when applying chemicals to avoid overspray.
  - To mark the perimeter of a clean room.
  - To ensure production robot arms are spaced appropriately from their target material.
36. A toe board is used to prevent workers from kicking tools or equipment over the edge, where they could fall on a person in the lower level.
- True
  - False
37. A guard railing must be able to withstand 20 lbs. of side force to prevent a worker from falling to the lower level.
- True
  - False
38. A guardrail is an acceptable anchor for a personal fall arrest system.
- True
  - False
39. What do the letters MSDS stand for?
- Master Safety Detail Standards
  - Mechanical Security Denied Support
  - Material Safety Data Sheet
  - Monetizing Security Detail Sounding
40. Who writes the MSDS?
- Retailer
  - Employer Supervisors
  - United States Dept. of Homeland Security
  - Chemical Manufacturer
41. Workers have the right to know what chemicals are present within their work area.
- True
  - False





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## Introduction to Safety

### Summative Exam 1

---

42. Employers must have an MSDS for every chemical that they have on site.
- True
  - False
43. What does PEL stand for?
- Program for Experienced Learners
  - Patrol Excavation Leadership
  - Pattern Explosive Locomotion
  - Permissible Exposure Limit
44. What does PEL mean?
- The value set by OSHA for an eight-hour day. If you are exposed to a chemical concentration averaged over an eight-hour day that is greater than the OSHA PEL, you are being overexposed.
  - The limits of chemical concentration which may be present in any mixture that can be used safely without appropriate PPE.
  - The expected signature fire pattern a chemical may be leave after uncontrolled combustion in a confined area.
  - The team leader model for safety patrol units, recommended by OSHA in Safety Bulletin 3.223.2009.
45. \_\_\_\_\_ is the most common way for a chemical to enter the body.
- Swallowing
  - Eye/skin contact
  - Penetration
  - Inhalation
46. What is not a long term, or chronic effect of overexposure to chemical?
- Sudden spontaneous combustion
  - Allergies
  - Cancer
  - Organ damage





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## Introduction to Safety

### Summative Exam 1

---

47. Define “flashpoint.”
- Pre-determined meet-up area for safety unit
  - Minimum temperature at which a liquid gives off vapor, in sufficient concentration, to form an ignitable mixture with air near the surface of the liquid. A low flashpoint indicates a more flammable substance.
  - Temperature at which a chemical will become physically toxic when ingested
  - Location for MSDS storage
48. An MSDS will give you information on what personal protective equipment (PPE) needs to be worn.
- True
  - False
49. The blue section of the HMIS and the NFPA 704 represents what?
- Health
  - Wellness
  - Toxicity
  - Fire/Explosion Data
50. The number rating system for the HMIS and NFPA is ranked 1 thru 10 with 10 being the worst rating.
- True
  - False
51. \_\_\_\_\_ are substances that are harmful if absorbed through, or can cause damage to the skin on the hands.
- Liquid and solid chemicals
  - Fertilizers
  - Paints and Cleaners
  - All of the above
  - A and C only
52. Hazard assessments are done for \_\_\_\_\_ items.
- Eye, Face
  - Head
  - Chemical
  - All of the above







---

## Introduction to Safety

### Summative Exam 1

---

53. What type of clothing should you wear if you are exposed to either hot or cold extreme temperatures?
- a. Long sleeve shirts
  - b. Long pants
  - c. Steel-toed shoes
  - d. Both a and b
  - e. All of the above (a, b, c)
54. Loose clothing and jewelry are allowed around moving machinery.
- a. True
  - b. False
55. The ANSI code on all eye and face protection equipment is \_\_\_\_\_.
- a. H22
  - b. Z80
  - c. AEF20
  - d. Z87
56. Class \_\_\_\_ hardhats should be used to protect against high impact hazards.
- a. A
  - b. B
  - c. C
  - d. Z
57. What type of footwear protects against the hazard of falling objects?
- a. Tennis shoes
  - b. Steel-toed boots
  - c. Metatarsal protection
  - d. Both B and C
58. What type of eyewear will protect against a dusty environment?
- a. Eye glasses
  - b. Goggles
  - c. Face shield
  - d. Respirator





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## Introduction to Safety

### Summative Exam 1

---

59. \_\_\_\_\_ are capable of reducing noise levels by 15-30dB.
- Ear plugs
  - Ear muffs
  - Cotton
  - Both a and b
60. Most eye injuries are caused by \_\_\_\_\_.
- chemicals
  - light radiation
  - flying particles
  - liquid splashes
61. Any respirator will protect against harmful chemical fumes.
- True
  - False
62. Respirator fit-testing must be conducted every three years.
- True
  - False
63. You must use a respirator whenever there is danger of an inhalation hazard.
- True
  - False
64. Workers who wear respirators must first be \_\_\_\_\_.
- Fit tested
  - Medically approved
  - Trained
  - All of the above
65. Which type of seal check is performed on a respirator while covering the inhalation valve while inhaling?
- negative
  - positive



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## Introduction to Safety

### Summative Exam 1

---

66. The concentration of irritant inside a respirator is determined by instrumentation measurements and personal responses by performing the \_\_\_\_\_ fit test.
- qualitative
  - quantitative
67. The alveoli in the lungs pass \_\_\_\_\_ the blood.
- oxygen to
  - carbon dioxide from
  - Both a and b
  - Neither a or b
68. Respirator protection devices protect humans by \_\_\_\_\_.
- purifying the air
  - supplying air
  - Either a or b
  - None of the above
69. The normal concentration of oxygen in the air is \_\_\_\_\_ percent.
- 10
  - 21
  - 72
  - 100
70. \_\_\_\_\_ are formed by the evaporation of solids or liquids.
- Gasses
  - Vapors
  - Fumes
  - Air Particulates
71. In addition to a welding helmet and welding gloves, what other Personal Protective Equipment (PPE) is commonly used during welding?
- Ear Plugs
  - Knee Pads
  - Leather Apron
  - SCBA respirator



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## Introduction to Safety

### Summative Exam 1

---

72. What does PPE stand for?
- Positive Position of Equipment
  - Personal Protective Equipment
  - Positive Placement of Equipment
  - Post Process Evaluation
73. Respirators should always be cleaned using \_\_\_\_ .
- ultraviolet light
  - detergent and warm water
  - solvents
  - a disinfectant
74. Noise-induced hearing loss first affects the ability to hear \_\_\_\_.
- high frequency sounds
  - low frequency sounds
  - all sounds
  - inaudible tones
75. The type of glove that can reliably protect against hand cuts or lacerations when working with sharp blades are made of \_\_\_\_.
- latex
  - black rubber
  - steel mesh
  - All of the above



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PAGE 13 of 13

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## **Introduction to Safety**

### *Summative Exam 1*

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