

Name \_\_\_\_\_

Date \_\_\_\_\_ Hour \_\_\_\_\_

# 13

## Agricultural Mechanics Safety

### **Multiple Choice**

*Choose the answer that best completes each statement or question.*

- \_\_\_\_\_ 1. Which governmental agency regulates safe practices to prevent work-related injuries, illnesses, and deaths?
- A. USDA
  - B. FDA
  - C. OSHA
  - D. OSSA
- \_\_\_\_\_ 2. What can ensure safety in the shop?
- A. common sense
  - B. good judgment
  - C. behaving responsibly
  - D. all of the above
- \_\_\_\_\_ 3. Most injuries that occur in the shop or elsewhere are the result of \_\_\_\_\_.
- A. machinery
  - B. electricity
  - C. human error
  - D. unknown causes
- \_\_\_\_\_ 4. Machinery is a source of hazard when it is \_\_\_\_\_.
- A. running
  - B. operated improperly
  - C. foreign made
  - D. old
- \_\_\_\_\_ 5. Machinery should only be used with proper \_\_\_\_\_.
- A. skill
  - B. knowledge
  - C. ability
  - D. all of the above

- \_\_\_\_\_ 6. Keeping the shop clean and organized can prevent injury from \_\_\_\_.
- A. falling objects
  - B. tripping
  - C. spills
  - D. all of the above
- \_\_\_\_\_ 7. You should never look at the welding arc without proper eye protection, which is a shaded lens ranging in number from \_\_\_\_.
- A. No. 1 to No. 3
  - B. No. 3 to No. 6
  - C. No. 6 to No. 9
  - D. No. 9 to No. 12
- \_\_\_\_\_ 8. A material is considered flammable if it has a flash point of less than \_\_\_\_.
- A. 100° F
  - B. 130° F
  - C. 175° F
  - D. 212° F
- \_\_\_\_\_ 9. Which class of fire occurs in ordinary combustible materials such as wood, rags, and rubbish?
- A. Class A
  - B. Class B
  - C. Class C
  - D. Class D
- \_\_\_\_\_ 10. Which class of fire is fueled by flammable metals, such as magnesium?
- A. Class A
  - B. Class B
  - C. Class C
  - D. Class D
- \_\_\_\_\_ 11. Which class of fire is fueled by flammable liquids such as gasoline, oil, grease, paints, and thinners?
- A. Class A
  - B. Class B
  - C. Class C
  - D. Class D

- \_\_\_\_\_ 12. Which class of fire consists of electrical fires that occur in or near electrical equipment?
- A. Class A
  - B. Class B
  - C. Class C
  - D. Class D
- \_\_\_\_\_ 13. Which class of fire may be extinguished with water?
- A. Class A
  - B. Class B
  - C. Class C
  - D. Class D
- \_\_\_\_\_ 14. Water can help to spread rather than stop fires that are \_\_\_\_\_.
- A. Class A
  - B. Class B
  - C. Class C
  - D. Class D
- \_\_\_\_\_ 15. The use of water can result in electric shock or electrocution in fires that are \_\_\_\_\_.
- A. Class A
  - B. Class B
  - C. Class C
  - D. Class D

### **True/False**

- \_\_\_\_\_ 16. Behaving responsibly is the best way to keep from causing an accident that could injure yourself or an innocent bystander.
- \_\_\_\_\_ 17. Even a small electric shock is painful, while standard household current can kill.
- \_\_\_\_\_ 18. The type of PPE is the same for all types of agricultural work.
- \_\_\_\_\_ 19. Synthetic material should be worn when welding.
- \_\_\_\_\_ 20. Many fire extinguishers are designed to fight multiple classes of fire.
- \_\_\_\_\_ 21. Use fire extinguishers occasionally to make sure they work.

## **Matching**

*Match each PPE with its purpose.*

- A. safety glasses
- B. coveralls
- C. rubber boots
- D. steel-toed boots
- E. clear face shields

\_\_\_\_\_ 22. protects the entire face from flying particles or liquid splashes

\_\_\_\_\_ 23. protects the feet from water and mild chemicals

\_\_\_\_\_ 24. protects the feet from falling objects

\_\_\_\_\_ 25. protects the eyes

\_\_\_\_\_ 26. protects the body, arms, and legs from dust and flying debris

## **Matching**

*Match each PPE with its purpose.*

- A. gloves
- B. respirators
- C. dust masks
- D. ear plugs or ear muffs
- E. helmets and shaded face shields

\_\_\_\_\_ 27. protects the hearing from loud or continuous noise

\_\_\_\_\_ 28. protects you from breathing dirt particles

\_\_\_\_\_ 29. protects the face and eyes from heat, harmful rays, and hot metal when working

\_\_\_\_\_ 30. protects the hands from splinters, hot or sharp metal, and chemicals

\_\_\_\_\_ 31. protects you from breathing toxic gases, fumes, and harmful fibers

## **Matching**

Match each safety color code with its description.

- A. red
- B. blue
- C. green
- D. yellow
- E. orange
- F. black and white
- G. purple or black and yellow

\_\_\_\_\_ 32. designates radiation hazards

\_\_\_\_\_ 33. used to designate safety and first-aid equipment

\_\_\_\_\_ 34. used to designate traffic movement and housekeeping areas

\_\_\_\_\_ 35. used to identify fire protection equipment and apparatus, and to designate “danger” or “stop”

\_\_\_\_\_ 36. used to warn against starting equipment, moving equipment, or using equipment under repair or being worked on

\_\_\_\_\_ 37. used to designate dangerous parts of machinery and parts of equipment that can cause electric shock

\_\_\_\_\_ 38. used to designate caution and mark physical hazards such as stumbling, falling, tripping, striking against, and caught-between

## **Completion**

39. Wear appropriate \_\_\_\_\_ that fits properly.

40. Remove \_\_\_\_\_ and dangling \_\_\_\_\_,  
and tie back long \_\_\_\_\_.

41. Keep the shop and work area \_\_\_\_\_ and well  
\_\_\_\_\_.

42. Only use tools for their specific \_\_\_\_\_.
43. Know the location and proper use of \_\_\_\_\_  
\_\_\_\_\_.
44. Repair or replace all worn or frayed \_\_\_\_\_ cords.
45. Never touch metal that could be \_\_\_\_\_.

### **Short Answer**

46. What should you do before beginning a weld? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
47. What should you do to avoid electrical shock when welding? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_