

Name:

Class:

Date:

## **Lesson 4.2 Shop and Lab Safety**

### **Lesson Review**

*Carefully study the lesson and then answer the following questions.*

1. Agricultural shops and labs contain \_\_\_\_ equipment. (4.2.1)

- A. commercial
- B. industrial
- C. standard
- D. nondangerous

Answer:

2. Your first task upon entering an agricultural shop or lab is to \_\_\_\_\_. (4.2.2)

- A. find the nearest exits
- B. get right to work, do not waste time
- C. read the posted safety information
- D. wear the appropriate personal protective equipment

Answer:

3. List four categories of personal protective equipment (PPE). (4.2.2)

Answer:

4. *True or False?* In most cases, your regular glasses or sunglasses are acceptable as protective eyewear. (4.2.2)

Answer:

5. *True or False?* You can purchase prescription safety glasses. (4.2.2)

Answer:

6. How do you know if you need hearing protection? (4.2.2)

Answer:

*Match the type of respiratory equipment to the definition.*

A. Filtering face-piece (dust mask)

B. Gas mask

C. Air-purifying respirator

D. Powered air-purifying respirator (PAPR)

E. Self-contained breathing apparatus (SCBA)

F. Supplied-air respirator (SAR)

7. The source of breathing air is not designed to be carried by the user (4.2.2)

Answer:

8. More effective than chemical cartridge respirators against high concentrations of toxic gas (4.2.2)

Answer:

9. Respirator that uses a blower to force the air through air-purifying elements (4.2.2)

Answer:

10. A respirator with a filter as an integral part of the facepiece (4.2.2)

Answer:

11. A respirator for which the breathing air source is carried by the user (4.2.2)

Answer:

12. A respirator with a filter that removes specific air contaminants (4.2.2)

Answer:

13. Why should loose-fitting clothing *not* be worn in an agricultural shop or lab? (4.2.2)

- A. It restricts free movement when maneuvering materials.
- B. Looking good while working makes workers more productive.
- C. It can get caught in the moving parts of machinery.
- D. Ventilation does not pass as easily through loose-fitting clothing.

Answer:

14. List three items of protective clothing commonly worn in an agricultural shop or lab. (4.2.2)

Answer:

15. *True or False?* Most work areas in the agricultural shop will be safe, so you do not need to look around before beginning work. (4.2.3)

Answer:

16. *True or False?* It is important to always use the right tool for a job. (4.2.3)

Answer:

17. *True or False?* Safety guards are not needed for most equipment; removing them allows you to use the machinery more effectively. (4.2.3)

Answer:

18. *True or False?* The only person who should ever touch the emergency shutoff switch is the instructor. (4.2.3)

Answer:

*Match the safety color to the general meaning and uses.*

- A. Red
- B. Orange
- C. Yellow
- D. Green

E. Blue

F. Purple, black, black and white, or black and yellow

G. Gray

19. Background paint in shops and labs (4.2.3)

Answer:

20. Identifies first aid and other safety equipment (4.2.3)

Answer:

21. Identifies a dangerous activity or condition that may result in death or serious injury (4.2.3)

Answer:

22. Not assigned to specific signal words or hazards and can be assigned by end user (4.2.3)

Answer:

23. Means danger or stop, used on safety containers, fire protection equipment, or emergency devices (4.2.3)

Answer:

24. Identifies a dangerous activity or condition that may result in minor or moderate injury (4.2.3)

Answer:

25. Identifies an activity that may lead to property damage (4.2.3)

Answer:

26. What information is included in a safety data sheet (SDS)? (4.2.4)

Answer:

27. Chemicals need to be stored safely and securely, with plenty of \_\_\_\_\_. (4.2.4)

- A. protective shielding
- B. ventilation
- C. caustic liquids
- D. other chemicals

Answer:

28. *True or False?* Anyone with some training in electrical work should be able to repair electrical circuits. (4.2.5)

Answer:

29. *True or False?* Removing the third prong on a cord is safe, as long as you are plugging it into an outlet with its own ground. (4.2.5)

Answer:

30. *True or False?* If power tools are causing the circuit breaker to trip regularly, adding a circuit may be necessary. (4.2.5)

Answer:

31. Ground fault circuit interrupters should be installed in areas that are \_\_\_\_\_. (4.2.5)

- A. hot
- B. cold
- C. near electrical appliances
- D. wet or moist

Answer:

32. *True or False?* Metal ladders should not be used near power lines. (4.2.6)

Answer:

33. *True or False?* Stepladders are designed to be used in either the folded or unfolded position. (4.2.6)

Answer:

34. *True or False?* Many ladders are designed to be used by multiple people at once. (4.2.6)

Answer:

35. List three places in your community where you might be able to receive first-aid training. (4.2.7)

Answer:

### **Critical Thinking**

1. Look at the agricultural shop or laboratory at your school to assess potential dangers. In the space below, use your knowledge of safety to create a list of items that would need to be included in a first-aid kit for the shop. Consider injuries that could occur with all types of equipment. (4.2.7)

Answer: