

Name:

Date:

Class:

Lesson 4.2: Shop and Lab Safety

Know and Understand

Answer the following questions using the information provided in this lesson.

1. According to statistics on eye protection in the workplace, which of the following statements is true? (4.2.1)
 - A. Approximately 90% of eye injuries in the workplace could be prevented by the use of safety eyewear.
 - B. Sixty percent of eye injuries occur when workers are wearing the correct type of eye protection.
 - C. The most common cause of eye injuries is exposure to loud noises.
 - D. Seventy percent of eye injuries are caused by exposure to chemical splashes.

Answer:

2. In terms of shop safety, PPE stands for _____. (4.2.2)
 - A. personal power equipment
 - B. private protective equipment
 - C. personal protective equipment
 - D. potential power expulsion

Answer:

3. You enter your school's agriculture shop to work on a project, but no safety glasses are available. Which of the following is the most appropriate action? (4.2.2)
 - A. Use your prescription glasses instead.
 - B. Use sunglasses as long as they fully cover your eyes.
 - C. Use a clear face shield instead.
 - D. Do not begin work until you have safety glasses.

Answer:

4. Safety glasses are unnecessary in a shop when _____. (4.2.2)
- A. shop machines are not operating
 - B. your instructor is demonstrating a new skill
 - C. all shields and guards are properly used
 - D. None are correct.

Answer:

5. Which fire extinguisher works best on kitchen fires where cooking oils are present? (4.2.3)
- A. Class K
 - B. Class D
 - C. Class C
 - D. Class B

Answer:

6. Which type of fire extinguisher would likely be used in an agriculture shop setting? (4.2.3)
- A. Class A
 - B. Class ABC
 - C. Class BC
 - D. Class K

Answer:

7. SDSs for hazardous materials provide information about _____. (4.2.4)
- A. potential hazards
 - B. first-aid treatment
 - C. storage requirements
 - D. All are correct.

Answer:

8. Assume that your class has been working on a project involving small engines. Where should motor oil containers be stored? (4.2.4)

- A. Next to the engines in the shop, for easy access.
- B. In an open area away from wood and other flammable materials.
- C. In a locked cabinet designed for storing flammable materials.
- D. In a building outside the agriculture shop.

Answer:

9. You purchased a new portable electric drill for your SAE project. What is the first thing you should do before operating the drill? (4.2.5)

- A. Put on safety glasses.
- B. Read the operator's manual.
- C. Plug in the drill.
- D. Take the drill out of the box.

Answer:

10. *True or False?* Tripping hazards in walkways are safely eliminated by placing electrical cords under rugs or carpets. (4.2.5)

Answer:

11. *True or False?* At least three of your limbs must be touching the ladder at all times when climbing a ladder. (4.2.6)

Answer:

12. Where should first-aid kits be stored? (4.2.7)

- A. In toolboxes and work vehicles.
- B. In tack rooms and shop buildings.
- C. Near fire extinguishers and emergency plans.
- D. All are correct.

Answer: