

Chapter 1

Safety in the Welding Shop

Multiple Choice

Select the best answer for each of the following from the options given.

- _____ 1. _____ is a recommended material for protective clothing for welding or cutting.
- A. Nylon
 - B. Polyester
 - C. Leather
 - D. Asbestos
- _____ 2. _____ should be used to light an oxyfuel gas flame.
- A. A book match
 - B. A spark lighter
 - C. Another torch
 - D. An electric arc
- _____ 3. Fire extinguishers and fire blankets should be mounted on a surface that is painted _____.
- A. red
 - B. yellow and black
 - C. orange
 - D. light blue
- _____ 4. A type "B" fire extinguisher is used to extinguish _____ fires.
- A. combustible liquid
 - B. electrical
 - C. solid material
 - D. combustible metal

True or False

Indicate if each of the following statements is true or false by circling "T" or "F".

- T F 5. It is possible to receive a burn similar to a sunburn while arc welding.
- T F 6. Well-designed shops have low ceilings to improve ventilation and air flow.
- T F 7. Arc welding safety inspections should be made with the power on.
- T F 8. A pressure regulator is "OFF" when the regulator adjusting screw is turned out.

Completion

Complete each of the following statements with the appropriate word or phrase from the chapter.

- _____ 9. The greatest hazard to a welder while laser welding is damage to the welder's _____.
- _____ 10. For arc cutting, it is always necessary to clear the area of combustible materials and post a(n) _____.
- _____ 11. Special training in the use of explosives is required to do _____ welding.

Short Answer

Answer the following question in the space provided.

12. List two welding processes that produce sounds loud enough to injure the welder's hearing.
