

Assessment

Circle the letter that corresponds to the correct answer.

1. The welder should light an oxyacetylene torch with a:
 - a. match.
 - b. butane lighter.
 - c. spark lighter.
 - d. combustible object.

2. The welder should wear goggles with filter lenses with a shade of:
 - a. 1 to 3.
 - b. 4 to 8.
 - c. 9 to 12.
 - d. 13 to 16.

3. Which of the following is **not** a hazard to have in the work area?
 - a. Grease
 - b. Spark lighter
 - c. Trash
 - d. Oil

4. After setting up an oxyacetylene outfit, the welder should check for leaks using:
 - a. an open flame.
 - b. grease.
 - c. a petroleum-based solution.
 - d. soap and water.

5. Oxygen and acetylene cylinders should **not** be stored:
 - a. together in the back of the shop.
 - b. chained upright.
 - c. in a ventilated area.
 - d. with valve protection caps in place.
6. When not using oxyacetylene hoses, proper care and maintenance includes:
 - a. applying grease to the rubber for lubrication.
 - b. repairing a leak with a piece of electrical tape.
 - c. hanging the hoses over the cylinder regulators.
 - d. coiling the hoses and storing them in a safe place.
7. When not using oxyacetylene regulators, a welder should:
 - a. oil the internal parts of the regulators.
 - b. clean the internal parts of the regulators.
 - c. relieve the pressure from the regulators.
 - d. maintain the pressure at a moderate level.
8. Which is a proper maintenance procedure for a dirty and clogged torch tip?
 - a. Tap the tip against a hard surface to dislodge the dirt.
 - b. Discard the tip and replace it with a new or reconditioned tip.
 - c. Use a tip cleaner that is larger than the tip openings to file away the dirt.
 - d. Clean the tip with a tip cleaner that does not fit too tightly in the openings.

Circle the letter that corresponds to the safety risk in the following situation.

9. The welder wears filter lenses that are rated too low for the process.
 - a. Explosion hazard
 - b. Burn hazard
 - c. Light ray hazard
 - d. Breathing hazard

10. The shop has no forced ventilation system and the doors and windows are closed.

- a. Explosion hazard
- b. Burn hazard
- c. Light ray hazard
- d. Breathing hazard

11. The welder wears pants with cuffs.

- a. Explosion hazard
- b. Burn hazard
- c. Light ray hazard
- d. Breathing hazard

12. The welder welds on a gas tank for a small gas engine after purging the tank with oxygen.

- a. Explosion hazard
- b. Burn hazard
- c. Light ray hazard
- d. Breathing hazard

13. The welder's clothes have become saturated with oxygen.

- a. Explosion hazard
- b. Burn hazard
- c. Light ray hazard
- d. Breathing hazard

14. The welder welds on a piece of plated metal in a confined space.

- a. Explosion hazard
- b. Burn hazard
- c. Light ray hazard
- d. Breathing hazard