

**Welding, Cutting, & Brazing
Quiz Answer Key**

Name: _____	
Trainer's Name: _____	
Company/Division: _____	Date: _____

Directions: Read each statement carefully and circle the response that best answers the question.

1. What is the minimum amount of time the fire watch must stay on lookout after welding is complete?

- a. 15 minutes
- b. 30 minutes**
- c. 60 minutes
- d. 90 minutes

2. Welding must not be performed in which of the following areas?

- a. Areas your employer has not authorized
- b. Areas that may contain an explosive atmosphere
- c. Areas near the storage of large quantities of ignitable materials
- d. All of the above**

3. Which type of eye protection is necessary when arc welding?

- a. Goggles
- b. Helmets or hand shields**
- c. Transparent face shields or goggles
- d. Spectacles without side shields, but with suitable filter lenses

4. Which of the following is a warning you will see on filler metals and fusible granular materials?

- a. Harmful if swallowed. Do not eat, drink, or smoke when using this product.
- b. May cause drowsiness or dizziness.
- c. Do not use in areas without adequate ventilation.**
- d. Warning: Extremely flammable.



5. When must mechanical ventilation be used?

- a. Space per welder is less than 10,000 cubic feet**
- b. Room's ceiling is over 20 feet tall
- c. Space per welder is between 15,000 and 20,000 cubic feet
- d. Cross ventilation has zero obstructions

6. Hazards associated with welding include:

- a. Radiation hazards to eyes and skin, fire hazards from working near flammables/combustibles, moving parts hazards, uncontrolled energy hazards, and explosion hazards.
- b. Radiation hazards to eyes and skin, fire hazards from working near flammables/combustibles, breathing hazards from toxic fumes, electric shock hazards, and explosion hazards.**
- c. Fire hazards from working near flammables/combustibles, moving parts hazards, uncontrolled energy hazards, and metal splatter hazards.
- d. There are no hazards associated with welding.

7. When working above a walking/working surface, workers in the area _____ surface must be protected from stray sparks or slag.

- a. above the
- b. below the**
- c. on the same
- d. in near proximity to the

8. Arc or resistance welding should never be performed on _____ surfaces.

- a. soft
- b. hard
- c. damp**
- d. dry

9. When handling compressed gas cylinders used in welding operations:

- a. be sure to lay them on their side.
- b. secure them in an upright position.
- c. keep valves, hoses, connectors and regulators in good condition.
- d. b and c.**



10. When moving compressed gas cylinders used in welding operations:

- a. **don't drop or bang the cylinders.**
- b. lift the cylinders by their caps.
- c. roll, drag, or slide the cylinders.
- d. b and c.

11. A fire watch will:

- a. know how to use fire extinguishing equipment and have it readily available.
- b. know how to sound an alarm in the event of a fire.
- c. maintain the watch for at least a half hour after the welding or cutting operations have been completed.
- d. all of the above.**

12. In addition to the procedures necessary for permit-required confined space entry, a welder or cutter who is working in a permit space must also:

- a. evaluate the space for toxic fumes that could result from the welding process.
- b. bring the cylinder for welding operations into the confined space.
- c. remove the torch and hose from the space, if the work is interrupted.
- d. a and c.**

13. Routine practices for safe welding include:

- a. use of respirators.
- b. regular equipment inspection and maintenance.**
- c. incident investigation.
- d. all of the above.

14. Non-flammable compressed gases such as argon, carbon dioxide, oxygen, or nitrogen may:

- a. cause dizziness, unconsciousness, or suffocation.
- b. irritate eyes or nose.
- c. explode or accelerate fires if mishandled or exposed to heat.
- d. all of the above.**

