

Assessment

Read the following statements from Welders A and B. Indicate which is correct by selecting from the four listed choices.

1. Welder A says that putting out an electrical fire with water does not cause a hazard for electrical shock.

Welder B says that changing the current while the welder is under load does not cause a hazard for electrical shock.

- a. Welder A is correct.
- b. Welder B is correct.
- c. Both are correct.
- d. Neither is correct.

2. Welder A says standing on steel while welding is not an electrical hazard.

Welder B says that the electrode should be removed from the holder when welding is completed to avoid a shock hazard.

- a. Welder A is correct.
- b. Welder B is correct.
- c. Both are correct.
- d. Neither is correct.

3. Welder A says that the walls of the welding booth should be made of wood to avoid a fire hazard.

Welder B says that the floor should be free of cracks to avoid a fire hazard.

- a. Welder A is correct.
- b. Welder B is correct.
- c. Both are correct.
- d. Neither is correct.

4. Welder A says that hot metal pieces should be handled with tongs rather than gloved hands.

Welder B says that rubber gloves should be worn while welding to protect the hands from burns.

- a. Welder A is correct.
- b. Welder B is correct.
- c. Both are correct.
- d. Neither is correct.

5. Welder A says that a light-colored short-sleeved shirt should be worn for welding.

Welder B says that polyester pants with cuffs should be worn for welding.

- a. Welder A is correct.
- b. Welder B is correct.
- c. Both are correct.
- d. Neither is correct.

6. Welder A says that dark, tightly woven clothing should be worn to protect the skin from harmful arc rays.

Welder B says that safety lenses with filter lens of no. 10 or higher should be worn for chipping slag from a weld.

- a. Welder A is correct.
- b. Welder B is correct.
- c. Both are correct.
- d. Neither is correct.

7. Welder A says that good ventilation is essential for safe welding.

Welder B says that a respirator is sometimes required to avoid exposure to harmful fumes from some metals.

- a. Welder A is correct.
- b. Welder B is correct.
- c. Both are correct.
- d. Neither is correct.

8. Welder A says that grease should be applied to the cables to prevent them from drying out.

Welder B says that the welder should not be turned on while the electrode holder is in contact with the work.

- a. Welder A is correct.
 - b. Welder B is correct.
 - c. Both are correct.
 - d. Neither is correct.
9. Welder A says that people in the work area do not need to wear protective eyewear if the welding booth has a curtain.

Welder B says that it is necessary to warn others in the area that welding is about to begin so they can protect themselves.

- a. Welder A is correct.
- b. Welder B is correct.
- c. Both are correct.
- d. Neither is correct.

Complete the following short-answer question.

10. List ways to avoid the safety hazards listed below.

- a. Electric shock

1)

2)

3)

b. Burns and fire

1)

2)

3)

c. Burns from arc rays

1)

2)

d. Breathing hazards

1)

2)

3)