Name: Date:

**1)** Choose all that apply. Which of the following are hazards of welding and hot work operations?

A. Fire hazards

B. Metal splatters

C. Electric shocks

D. Explosion hazards

E. Released gases and fumes

F. Radiant energy

G. Arc flash

**2)** A welding flame is particularly hazardous in a confined space because it \_\_\_\_\_\_\_\_.

A. Emits toxic gas

B. Displaces oxygen

C. Creates an electric shock hazard

D. None of the above

**3)** Acquire a hot work permit for each arc welding operation.

A. True

B. False

**4)** Remove all loose combustible material to a minimum distance of \_\_\_\_\_\_\_\_ from the work area.

A. 15 feet

B. 25 feet

C. 35 feet

D. 45 feet

**5)** When hot work is performed in areas where fires may develop, the fire watch should conclude \_\_\_\_\_\_\_\_.

A. 15 minutes after hot work starts

B. Once hot work is completed

C. At least 30 minutes after hot work is completed

**6)** Which of the following is **not** common PPE for hot work?

A. Safety glasses

B. Neoprene gloves

C. Leather high-top boots

D. Fire resistant welding jackets and leathers

**7)** Higher lens filter shade numbers provide greater protection.

A. True

B. False

**8)** Which type of respirator is required for work on metals containing beryllium?

A. SAR

B. Filter-type respirator

**9)** If you leave an electrode holder unattended, what should you do with the electrode?

A. Properly ground it

B. Properly dispose of it

C. Carefully place it in cool water

D. Leave it in the electrode holder

**10)** Unless the connectors and connecting lugs have the same level of insulation as the cable, areas that have been repaired or spliced must be at least \_\_\_\_\_\_\_\_ feet away from the electrode holder.

A. 5

B. 10

C. 15

D. 20

**11)** Choose all that apply. When arc welding, properly ground \_\_\_\_\_\_\_\_.

A. All cables

B. The electrode

C. The electrode holder

D. The welding machine

**12)** Welding machines need to be shut off at the end of every shift.

A. True

B. False

**13)** Torches and hoses need to be inspected \_\_\_\_\_\_\_\_.

A. Once a day

B. Once a week

C. At the beginning of each shift

D. Only when you suspect a problem

**14)** Oxygen and fuel hoses are interchangeable.

A. True

B. False

**15)** Which of the following is not a safe practice for cylinder valve use?

A. Open valves slowly.

B. Open valves while standing to the side.

C. Never open fuel-gas cylinder valves near ignition sources.

D. Open acetylene valves with at least one full turn of the spindle.

**16)** Store cylinders on their sides, so they will not tip over.

A. True

B. False

**17)** Unless using noncombustible barriers, maintain a separation of \_\_\_\_\_\_\_\_ feet between oxygen cylinders and flammables.

A. 15 ft

B. 20 ft

C. 25 ft

D. 30 ft

**18)** Cylinders with handwheels should be opened using a wrench or hammer.

A. True

B. False

**Answer Key**

1. A, B, C, D, E, F & G

2. B

3. A

4. C

5. C

6. B

7. A

8. A

9. B

10. B

11. D

12. A

13. C

14. B

15. D

16. B

17. B

18. B