

The oxyacetylene neutral flame has a temperature of approximately 5,800 degrees Fahrenheit.

**True** False

Touching an oxyacetylene tip to the work while cutting may start a flashback condition.

**True** False

Because the danger of storing acetylene at pressures higher than 15 psi, cylinders are hollow and filled with alcohol.

True **False**

Acetylene is a heat and shock sensitive gas.

**True** False

Oil or grease is an acceptable lubricant for oxygen regulators.

True **False**

A carburizing flame has an excess of acetylene that appears as a feather.

**True** False

Acetylene cylinders can be stored lying down prior to immediate use.

True **False**

Gas cylinders can be stored with their caps off as long as the caps are within 20 feet.

True **False**

Since oxygen does not burn, it can be used to safely blow out the passages in a clogged carburetor.

True **False**

Ultraviolet rays are not dangerous to man, they are only uncomfortable.

True **False**

When a material reaches the point where oxides burn it is said to have reached its

\_\_\_ **Kindling** \_\_\_ temperature

The maximum free acetylene pressure permitted by safety codes is \_\_\_ **15** **psi** \_\_\_.

The shrill, squealing sound from a oxyacetylene torch indicates a \_\_\_ **Flashback** \_\_\_.

All oxygen valves have \_\_\_ **right** \_\_\_ hand threads.

With oxyacetylene, a neutral flame will be the 5800 F temperature regardless of the tip size.

What is the Kindling temperature for mild steel?

- a. 1248 F
- b. 1600 F**
- c. 2000 F
- d. 2800 F

The fusible safety plug in an acetylene cylinder will:

- a. release air at 212 F
- b. fuse metal together
- c. freeze at 212 F
- d. release acetylene into the atmosphere at temperatures above 212 F**

Which is the correct way to move a compressed gas cylinder?

- a. drag it on the bottom
- b. lift it with a chain via valve protection cap
- c. tilting and rolling on the bottom edge**
- d. all of the above

What is the function of a check valve used on oxygen and acetylene units?

- a. prevents the flow of gas
- b. checks how much gas is flowing
- c. limits the flow of gas to a safe volume
- d. prevents back flow of gas into the system**

Why would a welder crack a cylinder?

- a. to aid in clearing the hose of excess acetylene
- b. to clear the valve of dust and dirt**
- c. to insure a quality weld
- d. this happens only by accident

The kerf is:

- a. the distance the torch is above the metal
- b. the area in which metal has been removed by the oxygen cutting process**
- c. the time it takes to obtain zero drag

Which is the correct hose color for acetylene?

- a. red
- b. black
- c. green
- d. red & black striped

Care must be taken for the welding and cutting of material producing toxic fumes. Which of the following will produce toxic fumes?

- a. lead, cadmium, and zinc
- b. manganese steel
- c. all of the above
- d. none of the above

Which of the following materials can be cut effectively with OFC?

- a. carbon steel
- b. aluminum
- c. stainless steel
- d. brass

The melting point of carbon steel is approximately?

- a. 1600°F
- b. 2375°F
- c. 2780°F
- d. 3005°F