Oxyacetylene Welding Safety

Oxygen safety

Why is a safety cap used on the top of the cylinder?

When must the safety cap be installed?

What might happen if the oxygen cylinder falls, or the valve stem gets cracked?

Why is oil dangerous around oxygen?

What should you before installing a regulator onto the valve stem of an oxygen cylinder?

Why must you open the Oxygen valve on the tank (not the regulator) all the way open when using the torch?

What happens if the stem breaks off?
Acetylene safety

Why should you only turn on an acetylene cylinder ¼ or ½ turn?

Why should you keep acetylene pressures under 15 psi?

What is wrong with laying down an acetylene cylinder?

When adjusting acetylene, what pressure should you use for most welding jobs?

What should you do before turning on the acetylene cylinder ¼ or ½ turn?

Regulator Safety

What is function of 2 stage regulator?

Why do you fully release (back off) a regulator?

How do you back off a regulator?

Why are check valves and flash arrestors used?

How do you check for leaks?

Where do you check for leaks?
Light and extinguish a torch

What do you use to light a torch?

What safety gear will you wear?

How do you adjust the line pressure?

What causes backfires in the torch tip?

What is dangerous about backfires in the torch?

How do you clean the torch tip?

Explain the steps to lighting a torch.

Explain the steps to shutting down a torch.

Practice these steps with instructor supervision.