

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Oxy-Fuel Cutting

## Across

1. metal-joining process which joints two pieces of base metal when braze; melted metallic filler which flows across the joint and cools to form a solid bond

4. piece of high carbon or alloyed steel from which sparks are struck

5. used to control pressure from the tanks to the required pressure in each hose

9. flame in which the amount of oxygen is just enough for burning

11. flame produced with an excessive amount of oxygen compared to acetylene; is rarely used

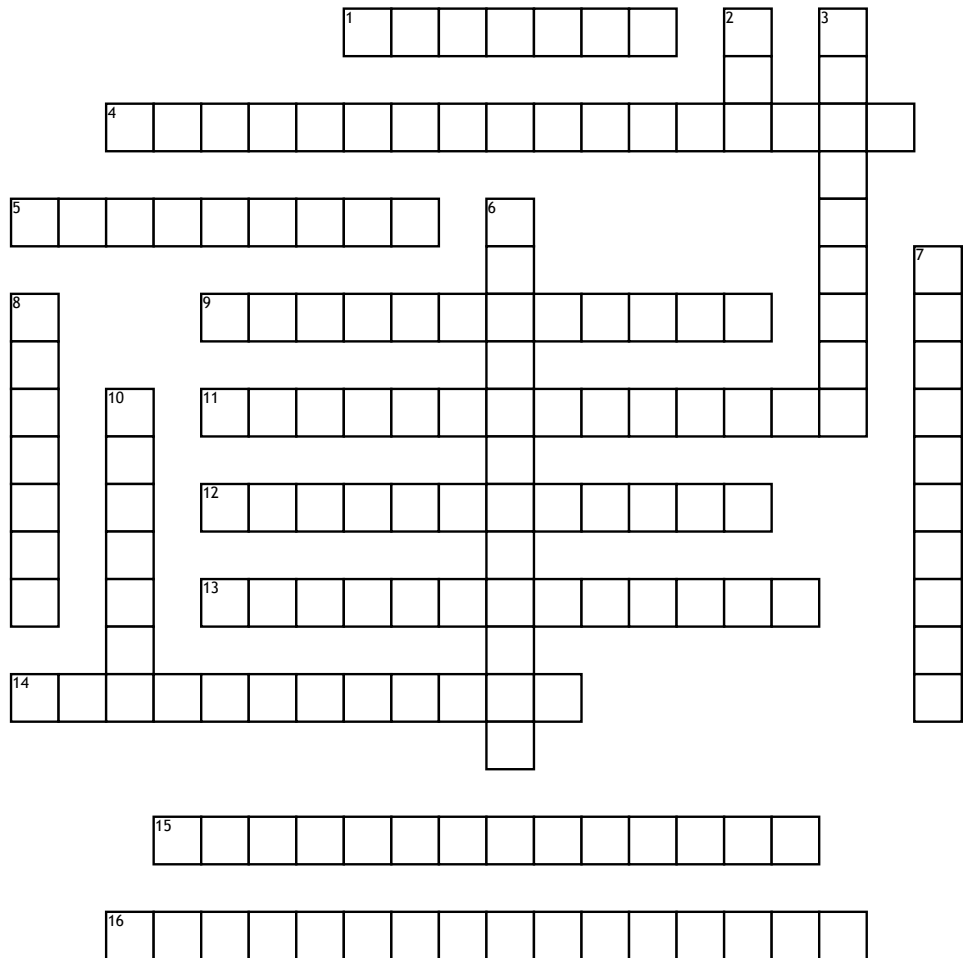
12. torch head used to cut materials

13. also called an equal-pressure torch, simply mixes the two gases used for oxyfuel welding

14. type of torch used to heat metal

15. also called a flashback arrestor, prevents the shock waves from coming back up the hoses and entering the cylinder

16. flame which burns at a low temperature and can add extra carbon to welds because the flame contains more acetylene than oxygen



## Down

2. abbreviation for pounds per square inch; measurement used for air pressure

3. Colorless gas widely used as a fuel and chemical building block, smells like garlic.

6. torch head used to weld metals

7. mechanical device which allows gas to flow in only one direction

8. scoop or force something out of its position

10. part welder holds and uses to make a weld

