Name. Date.	Name:	Date:
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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
- 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

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<u>Down</u>

- **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

