

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

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

# Welding Terms

## Across

2. failing a weld test because of defects in the welds
5. one of the five basic weld joints. It is when the edges of two plates butt up to each other at a 90 degree angle
9. a person doing the actual welding
11. a word that makes you sound smart when you mean the lowest temperature that steel or metal is liquid
14. the pressure in a SHIELDING GAS bottle can be up to 2400 lbs. per inch. The flow meter reduces this to a working pressure, usually around 20 to 25 cubic feet per hour.
15. burn from the radiation produced from the ULTRA VIOLET rays from the welding arc
17. an angle cut or grinded at the edge of the work-piece to allow more penetration for a stronger weld
18. hold the metal or steel you are working on in place as you are fabricating
19. in the electric circuit the current is the flow of electricity
20. the last bead of a groove weld
21. this is where the metal goes from SOLIDUS to LIQUIDUS

## Down

1. is a weld made by equipment such as robots.
3. called a "rod" in stick welding, and "wire" for Mig and Flux Cored Arc Welding
4. is what is between the end of the electrode and the base metal. The resistance causes heat.
6. uses a solid steel wire rolled up on a spool and fed through a welding lead with a liner in it. Drivers push, pull or both to feed the wire through the lead to a WELDING GUN
7. how much the rod (electrode), wire, or TIG rod is melted in a certain amount of time
8. the outer edge of two plates butted up 90 degrees parallel to each other
10. are the two lines from the machine to what you are welding that carry the current
12. Intersection where two different sections of PARENT METAL meet
13. Can be done with 6010 or 6011 rod with machine turned up to "warp 10".
16. is the melting and becoming one with base metal or PARENT METAL

