

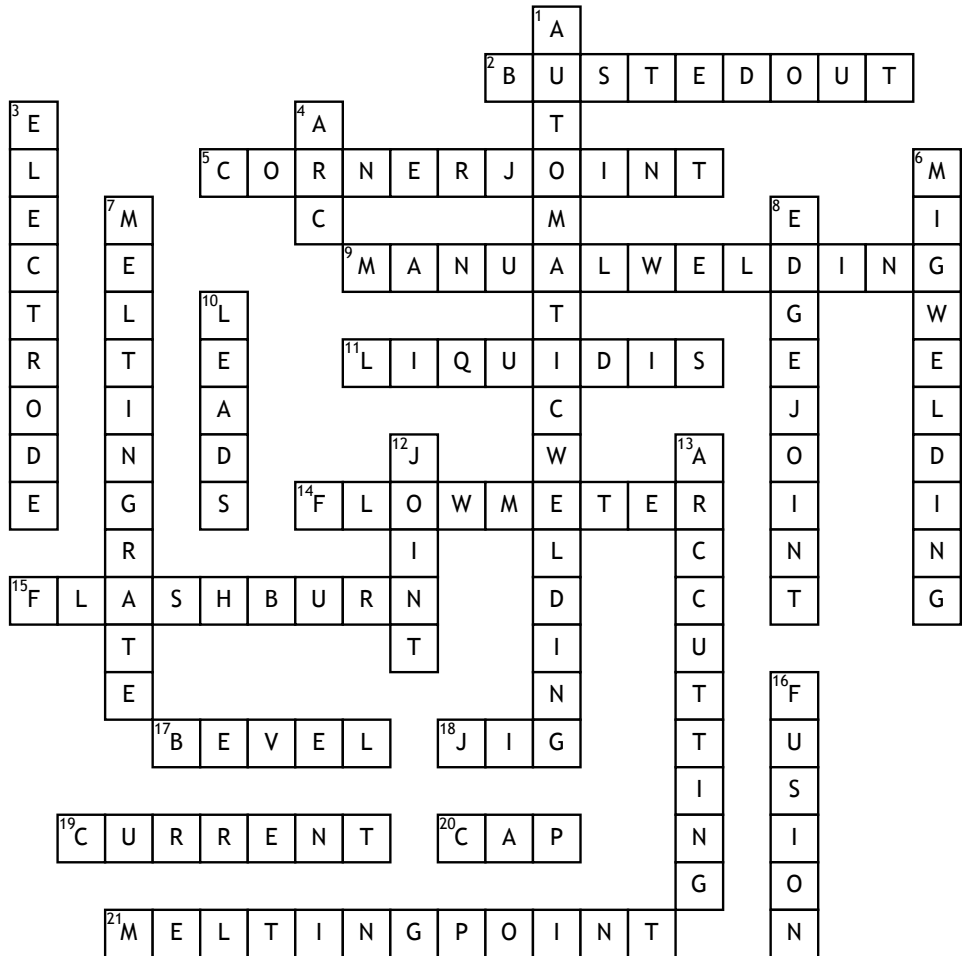
Welding Terms

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

