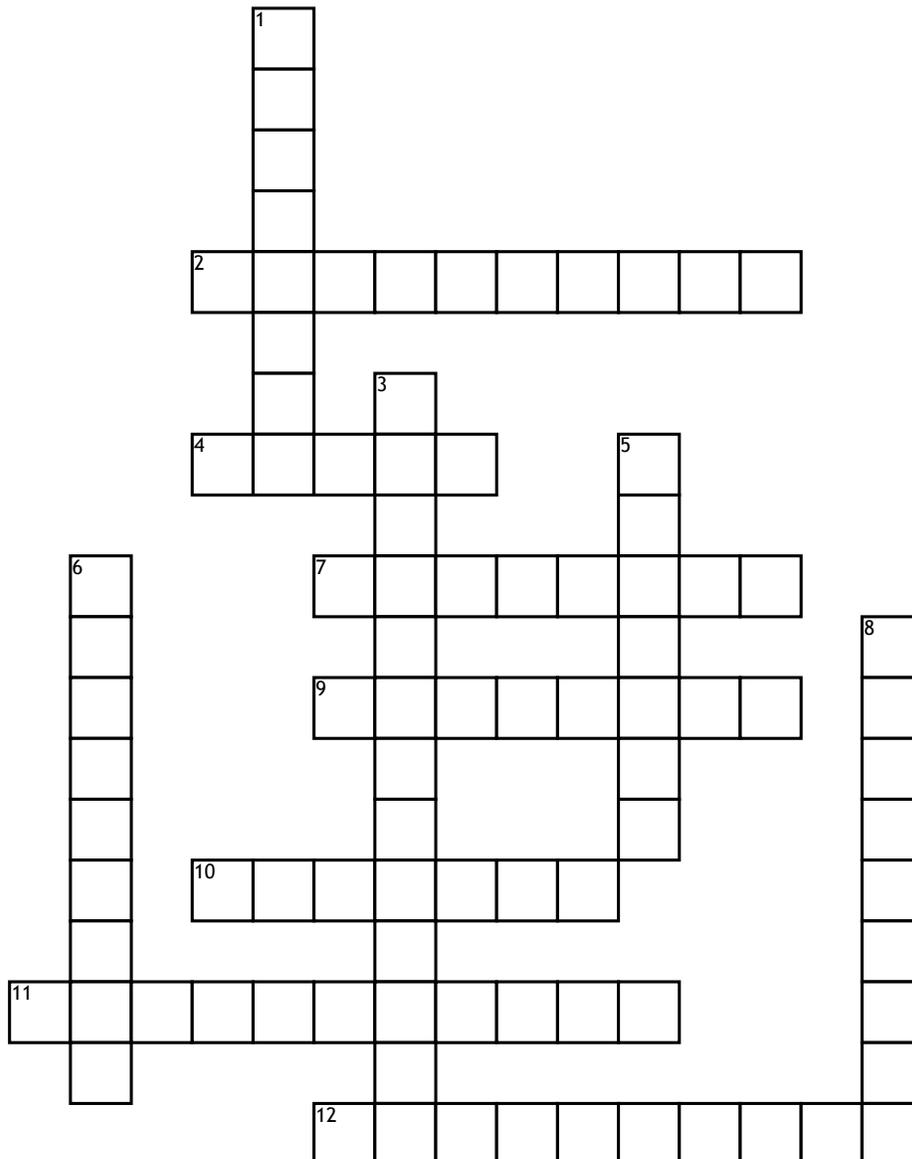


# Welding



**Across**

- 2. Arc strikes outside the groove or fusion faces to be welded are \_\_\_\_\_.
- 4. How long (in inches) is the test plates for a groove weld test?
- 7. A depression at the weld toe indicating that the weld metal is below the level of the base metal.
- 9. The direction of the flow of electrons in a closed direct current welding circuit.

- 10. A groove is made up of 2 plates that are \_\_\_\_\_.
- 11. On a groove weld, what is the distance between the two pieces of base metal?
- 12. AWS D1.1 is a \_\_\_\_\_ Steel Welding Code

**Down**

- 1. What must be adjusted on the machine for SMAW when changing electrode size? (hint: it is not temperature)

- 3. The height of the weld metal above the base plate is known as what?
- 5. Runoff tabs are part of a strip of metal known as what?
- 6. The increase in the dimensions of a piece of metal as it is heated.
- 8. A condition in which the molten metal sags downward and does not fill the top part of the welding joint.