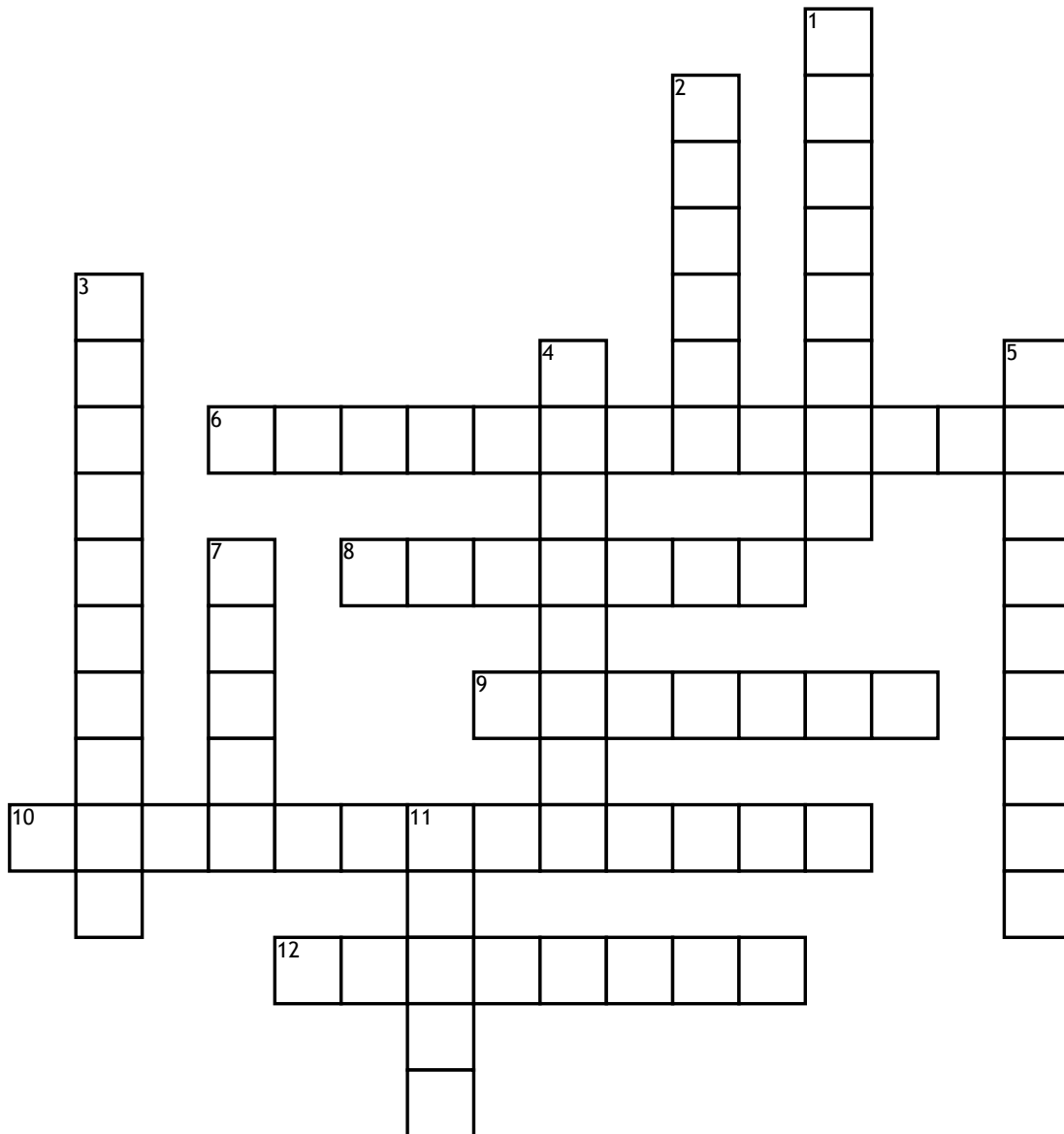


# Welding



## Across

6. An undesirable substance in or around a weld.

8. A groove angle is made up of two separate \_\_\_\_\_ plates.

9. Run off tabs are part of a strip of metal known as \_\_\_\_\_.

10. Weld metal extending beyond the upper and lower surfaces of the base metal.

12. The direction of the flow of electrons in a closed direct current welding circuit.

## Down

1. The presence of gas pockets or voids in weld metal

2. The intimate mixing or combining of molten metals.

3. Arc strikes outside the groove or fusion faces to be welded are \_\_\_\_\_.

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

5. A condition in which the molten metal sags downward and does not fill the top part of the welding joint.

7. Length of a groove weld test plate in inches.

11. A set of guidelines designed to help keep students safe.