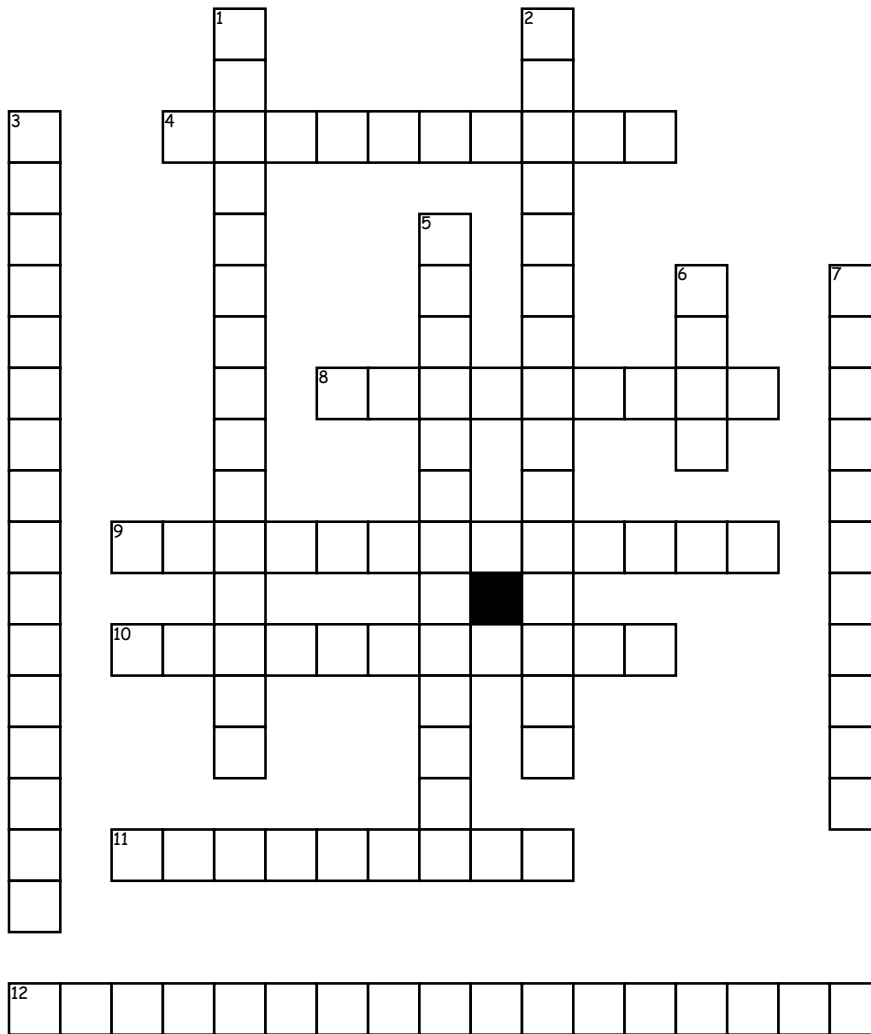


# Circuits and Electricity



## Across

4. energy that causes a change in temperature between materials

8. material that slows down or stops electric current or heat from flowing

9. an electric circuit connected so that current passes through each circuit element in turn without branching

10. an incomplete electrical circuit in which no current flows

11. material that allows electric current or heat energy flow through easily

12. the pathway through which electrical currents flow

## Down

1. the flow of energy around a circuit

2. a closed circuit in which the current divides into two or more paths before recombining to complete the circuit

3. magnetism created by an electric current; examples are MRI and electric motor

5. a complete circuit around which current flows or a signal circulates

6. to move or travel smooth in a certain direction

7. radiant energy that our eyes can see from the visible part of the electromagnetic spectrum

## Word Bank

heat energy

light energy

series circuit

electromagnetism

electric current

flow

closed circuit

electrical circuit

parallel circuit

conductor

insulator

open circuit