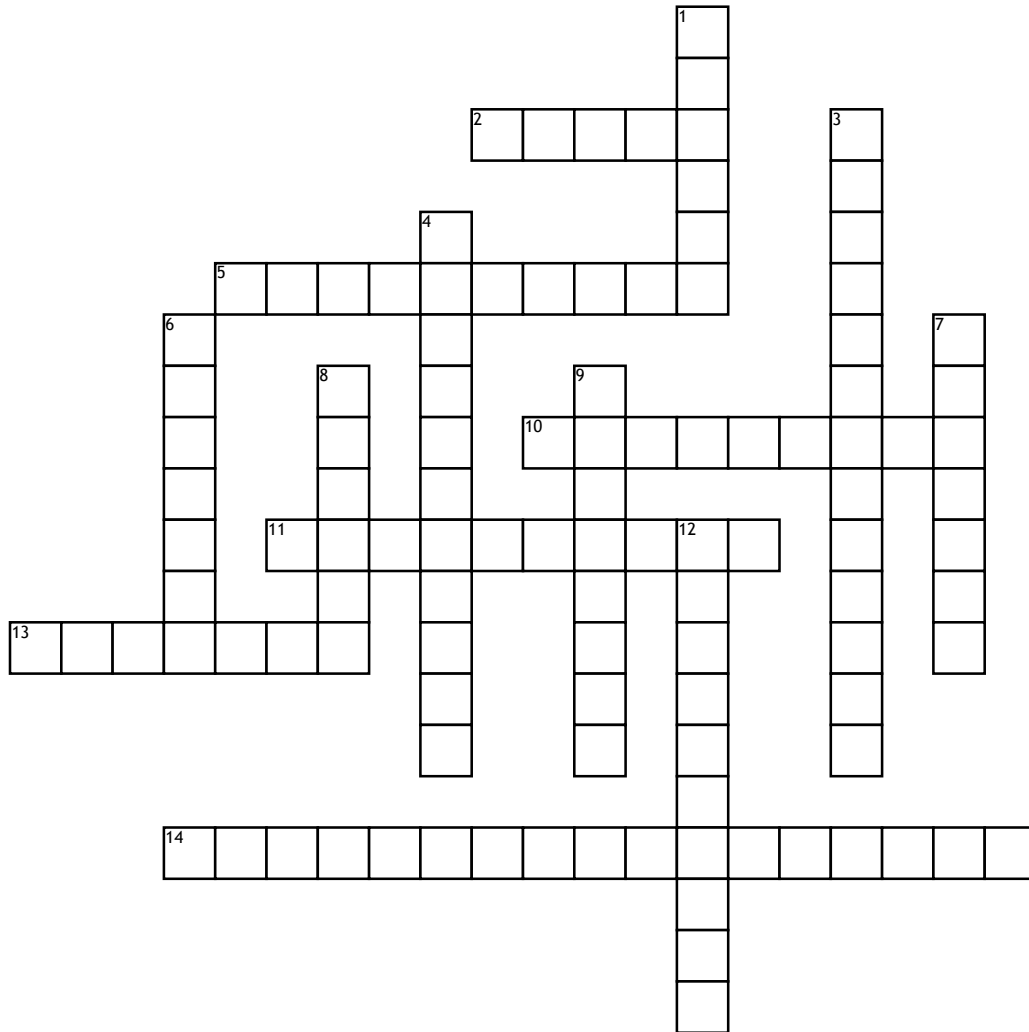


Name: \_\_\_\_\_

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

# Electricity and Magnets



## Across

2. The rate at which electrical energy flows

5. Materials that do not allow charges to flow easily

10. Ability to make forces on magnets or other magnetic materials

11. How easily charges flow

13. Amount of energy measured in volts.

14. Occurs when charges (electrons) collect on an object from rubbing off another object.

## Down

1. A circuit with all components are in one continuous path.

3. A force a magnet exerts in the space around it

4. The flow of electric current (electrons) through wires, motors, light bulbs and other devices

6. Rate (speed) at which the charges flow

7. Shows the relationship between current, voltage, and resistance.

8. The unit for current

9. A circuit with components on separate paths.

12. Materials that allow charges to flow easily

## Word Bank

magnetic field

Conductors

Power

Resistance

magnetism

current

series

Parallel

Ohm's Law

ampere

voltage

Insulators

static electricity

Electricity