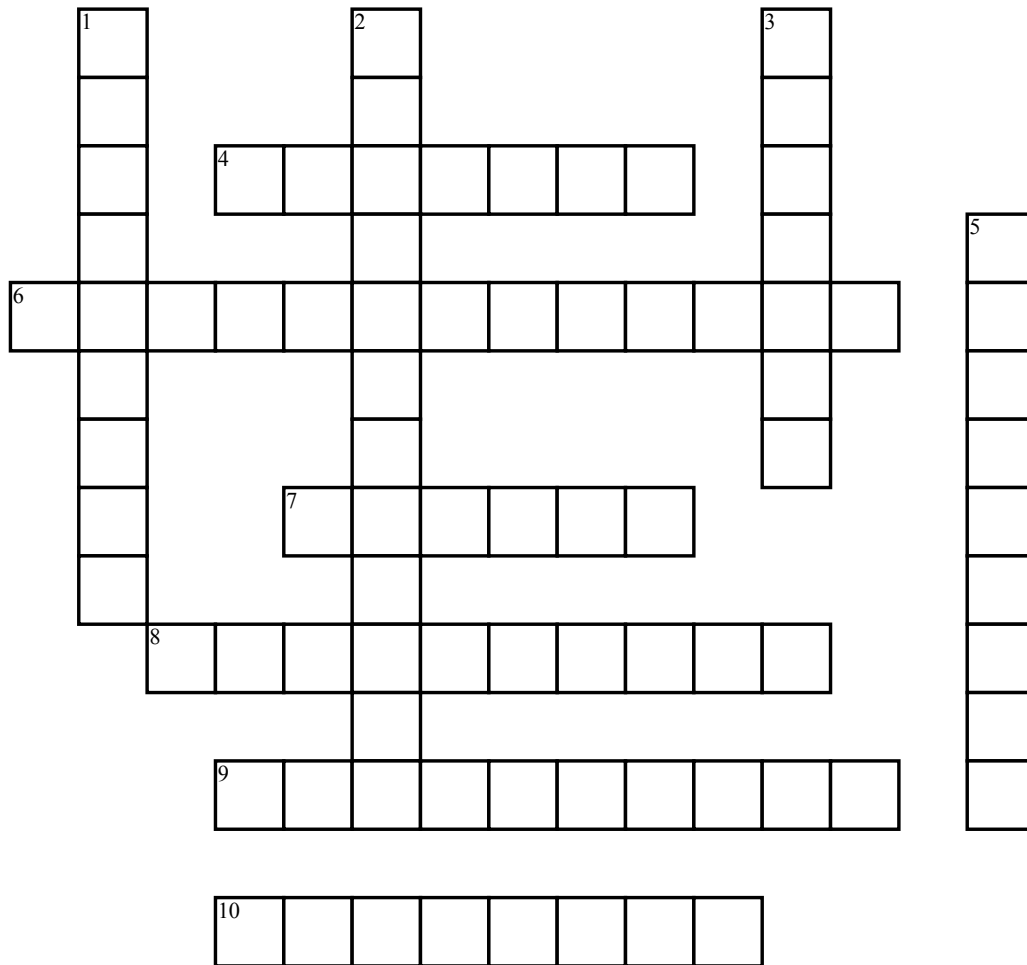


Name: _____

Date: _____

Electricity and Magnetism



Across

4. An electromotive force or potential difference expressed in volts.

6. The region around a charged object where the electric force is exerted on other charged objects

7. a piece of iron (or an ore, alloy, or other material) that has its component atoms so ordered that the material exhibits properties of magnetism, such as attracting other iron-containing objects or aligning itself in an external magnetic field.

8. the impeding, slowing, or stopping effect exerted by one material thing on another.

9. the process by which heat or electricity is directly transmitted through a substance when there is a difference of temperature or of electrical potential between adjoining regions, without movement of the material.

10. The force that two surfaces exert on each other when they rub

Down

1. A substance or device that does not readily conduct electricity.

2. The action of restricting the vibrations of a transverse wave, especially light, wholly or partially to one direction.

3. states that the current through a conductor between two points is directly proportional to the voltage across the two points.

5. The action or process of inducing someone to a position or organization.

Word Bank

Polarization

Ohms Law

Electric Field

Voltage

Insulator

Friction

Conduction

Magnet

Induction

Resistance