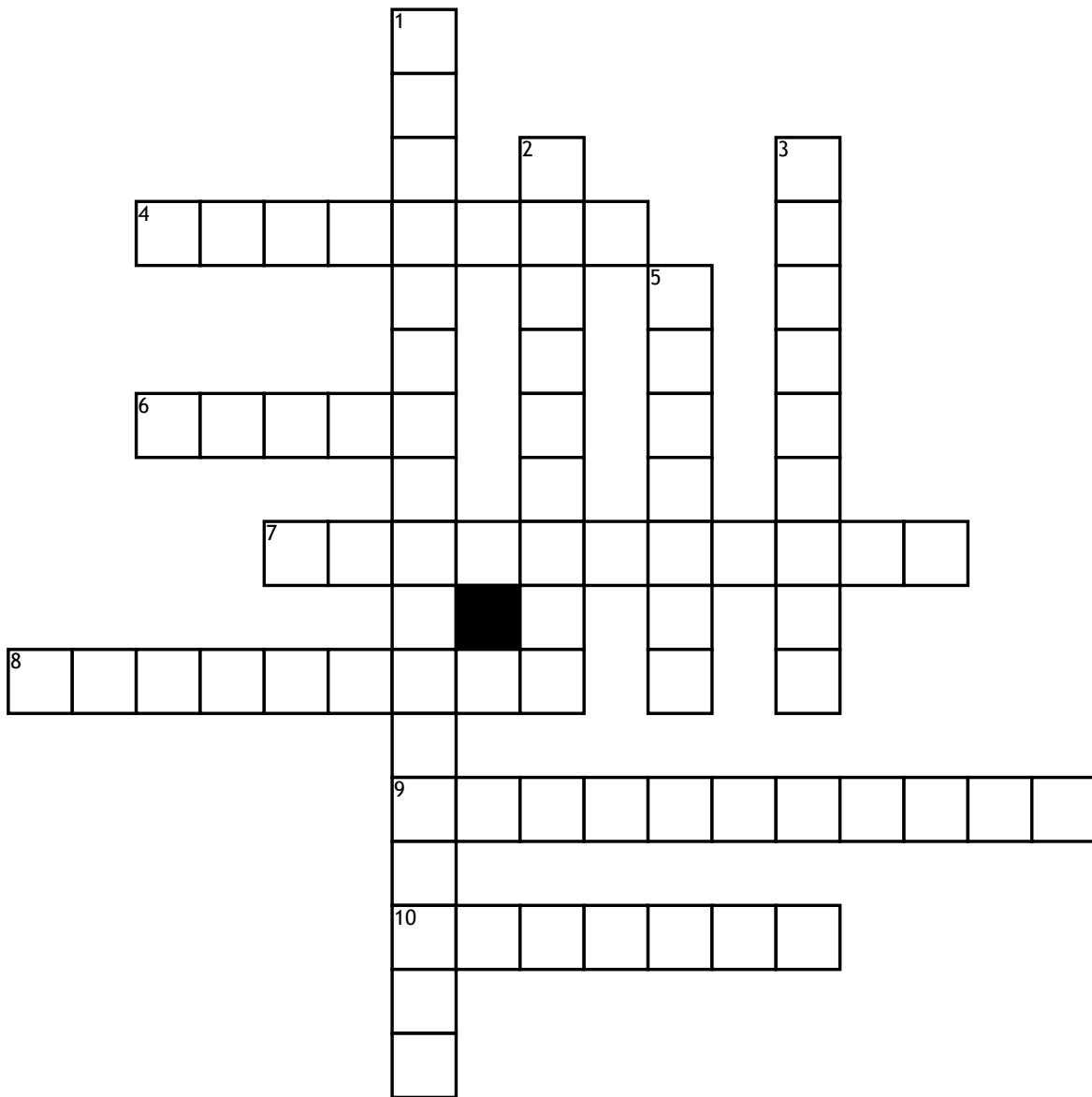


# Electricity and Magnetism

**Across**

4. a negatively charged subatomic particle
6. any interaction that, when unopposed, will change the motion of an object.
7. . a form of energy resulting from the existence of charged particles
8. a substance or device that does not readily conduct electricity
9. scientist who discovered gravity and developed the three laws of motion
10. a property of matter by which it continues in its existing state of rest or uniform motion in a straight line, unless that state is changed by an external force.

**Down**

1. a stationary electric charge, typically produced by friction, that causes sparks or crackling or the attraction of dust or hair.
2. a conductor is an object or type of material that allows the flow of an electrical current in one or more directions
3. a physical phenomenon produced by the motion of electric charge, resulting in attractive and repulsive forces between objects.
5. is the force by which a planet or other body draws objects toward its center.