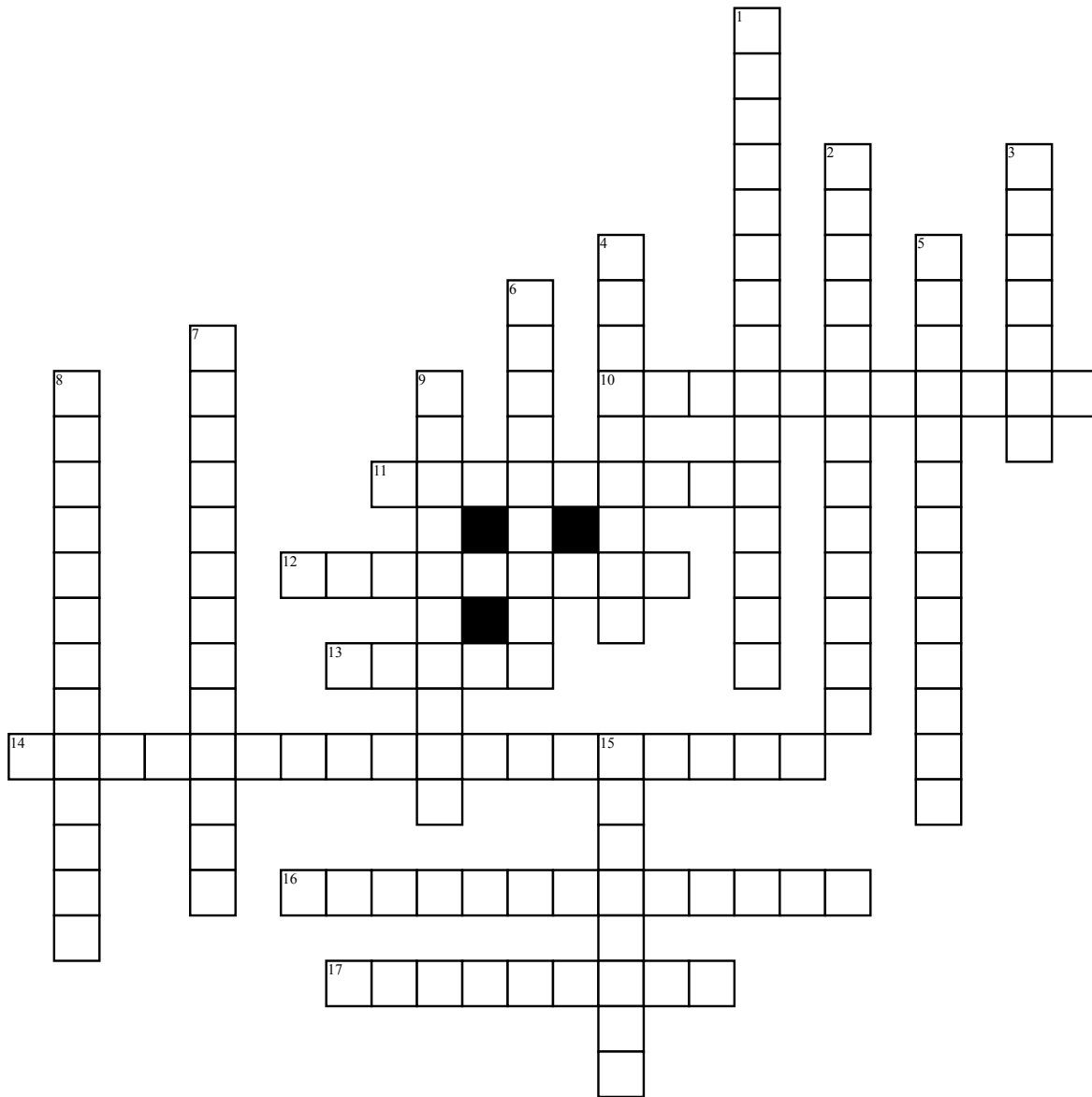


Electricity and Magnetism



Across

- 10.** a region around a charged particle or object within which a force would be exerted on other charged particles or objects.
- 11.** a substance which does not readily allow the passage of heat or sound.
- 12.** the process of giving rise to something.
- 13.** a machine, especially one powered by electricity or internal combustion
- 14.** the region of space surrounding a body in which another body experiences a force of gravitational attraction.
- 16.** Two objects containing charge with the same direction of motion

17. a physical phenomenon produced by the motion of electric charge, resulting in attractive and repulsive forces between objects.

Down

- 1.** a closed circuit in which the current divides into two or more paths
- 2.** a soft metal core made into a magnet by the passage of electric current through a coil surrounding it.
- 3.** the force by which a planet or other body draws objects toward its center.
- 4.** machine for converting mechanical energy into electricity.

5. a region around a charged particle or object within which a force would be exerted on other charged particles or objects.

- 6.** a material that transmits heat, electricity, or sound
- 7.** a region around a magnetic material within which the force of magnetism acts.
- 8.** a closed circuit in which the current follows one path
- 9.** the process by which electricity is transmitted through a substance when there's a difference of temperature
- 15.** the resistance that one surface or object encounters when moving over another.