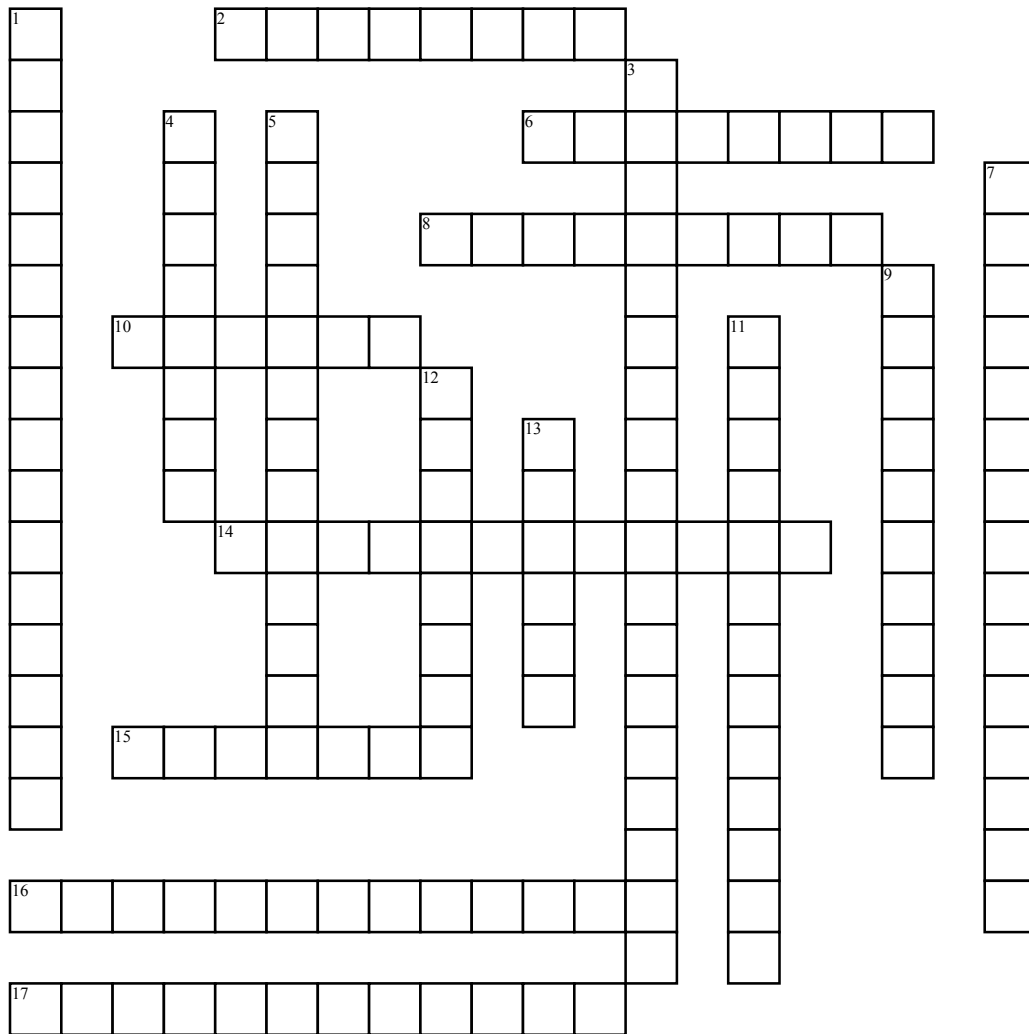


Electromagnetism



Across

2. resistance that one surface or object encounters when moving over another.

6. coil of wire that carries an electric current, and produces a magnetic field.

8. process or action of bringing about or giving rise to something.

10. lacking in movement, action, or change, especially in a way viewed as uninteresting.

14. device that measures the strength and direction of an electric current in a wire.

15. electromotive force or potential difference expressed in volts.

16. changes electrical energy into mechanical energy.

17. an important device that relies on electromagnetic induction.

Down

1. relationship between electricity and magnetism.

3. use induction to change mechanical energy into electrical energy.

4. subatomic particle with a charge of negative electricity.

5. lifting or moving large metal objects containing iron.

7. move a magnet through a coil of wire.

9. heat or electricity is directly transmitted through a substance.

11. a vector field that describes the magnetic influence of electrical currents and magnetized materials.

12. loops of wire mounted between the poles of a magnet.

13. subatomic particle occurring in all atomic nucleus, with a positive electric charge.

Word Bank

Electromagnetism

conduction

proton

electric generators

armature

static

friction

induction

solenoid

electron

magnetic field

electric current

galvanometer

Electromagnet

transformers

electric motor

voltage