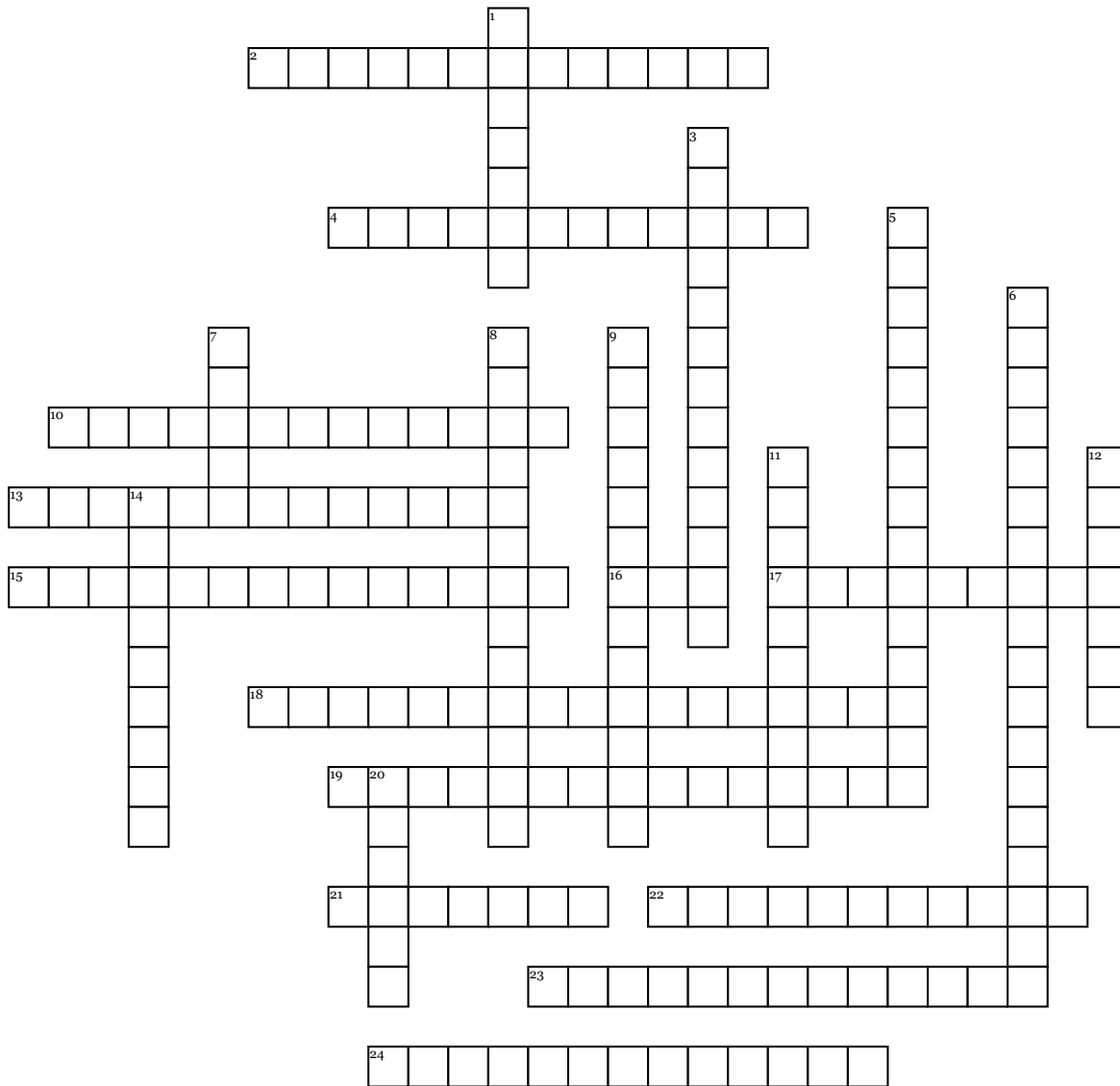


Electricity and Magnetism



Across

2. When a charged object exerts on

4. Uses the transfer of electrons between objects through friction

10. The rate of electrical energy is transferred by an electric circuit

13. A device consisting of a coil of insulated wire wrapped around an iron core that becomes magnetized when an electric current flows through the wire

15. The region where the magnetic fields of atoms are grouped together

16. An atom that is positively or negatively charged.

17. A material where electric charges is not able to move easily through.

18. What happens when there is a loss of static electricity

19. A closed circuit in which the current divides into two or more paths

21. An electrical potential energy between two places in a circuit

22. A device used to transfer electric energy from one circuit to another

23. When all parts of the circuit are connected one after another on a path

24. The region of Earth's magnetic field shaped by the solar wind

Down

1. A path where electrons from a voltage can flow

3. flows only in one direction

5. What is a continuous flow of electricity through a circuit

6. an electric current which reverses direction

7. Made of rotating coils of wire which are driven by the magnetic force exerted by a magnetic field on an electric current

8. What is a region around a charged object where the object's electric force is exerted on to other objects

9. The area of magnetic force around a magnet

11. What is the measure of how difficult it is for charges to flow through material

12. a flow of an electrical charge

14. A material that can let electrical charges can flow easily through

20. A region in the atmosphere that has charged particles from the sun