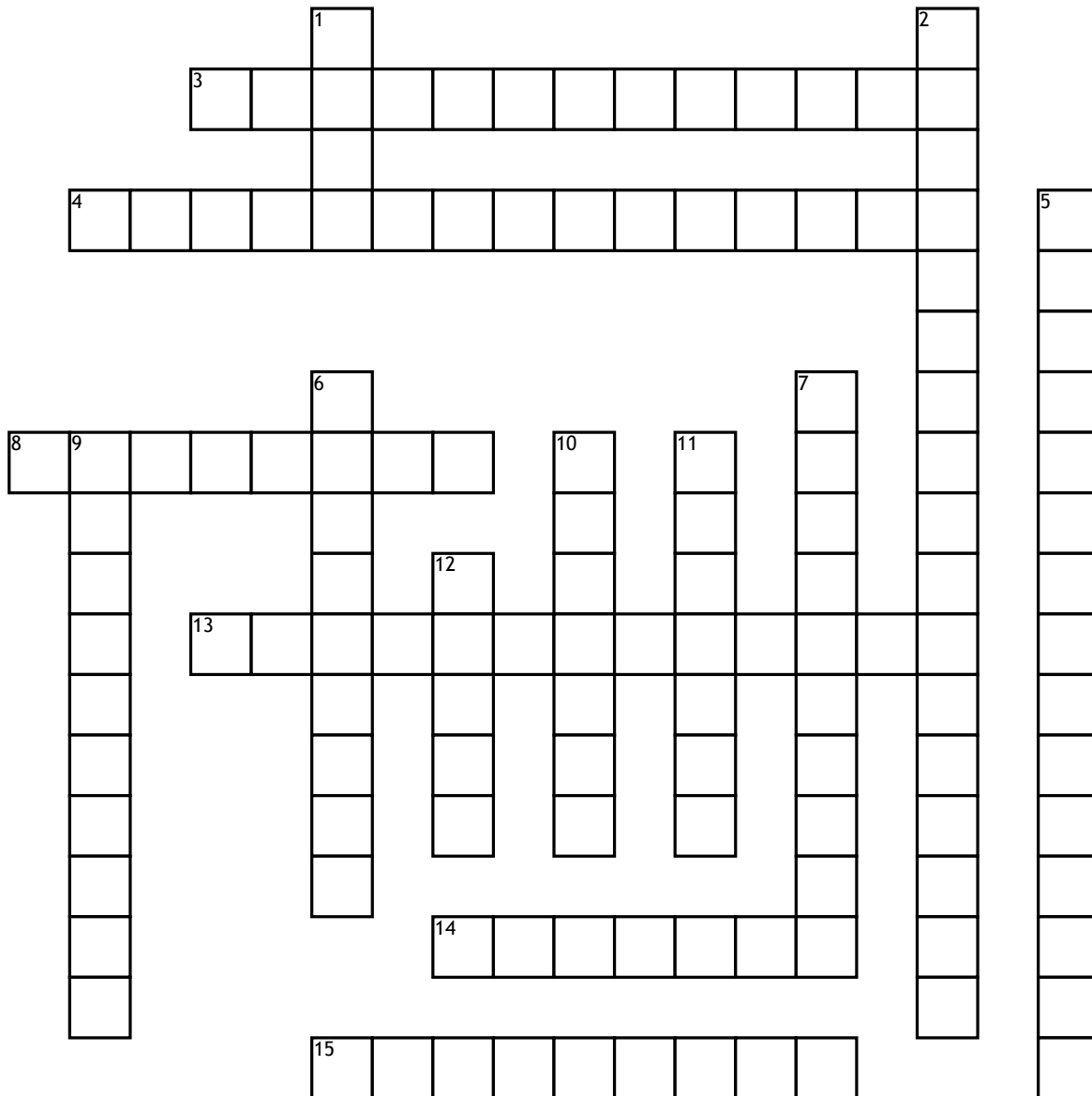


# Electricity and Magnetism



## Across

3. a magnet that only works when electricity is provided

4. an electric charge in motion

8. a thin, coiled wire that can get very hot without melting

13. a circuit in which electric charge can only flow in one circular path

14. \_\_\_\_\_ can attract and repel magnetic materials and other magnets

15. a force that works on moving electrical charges and magnetic materials

## Down

1. Electrical energy can change to light energy and give off \_\_\_\_\_

2. an excess charge in an object is called

5. a circuit that has two or more paths through which electric charges may flow

6. a machine that produces electric energy by turning coils of wire around powerful magnets

7. an electric charge flows through these easily

9. an electric charge flows through these with difficulty

10. for a current to flow, electric charges must complete a \_\_\_\_\_

11. objects with opposite charges

12. objects with the same charge