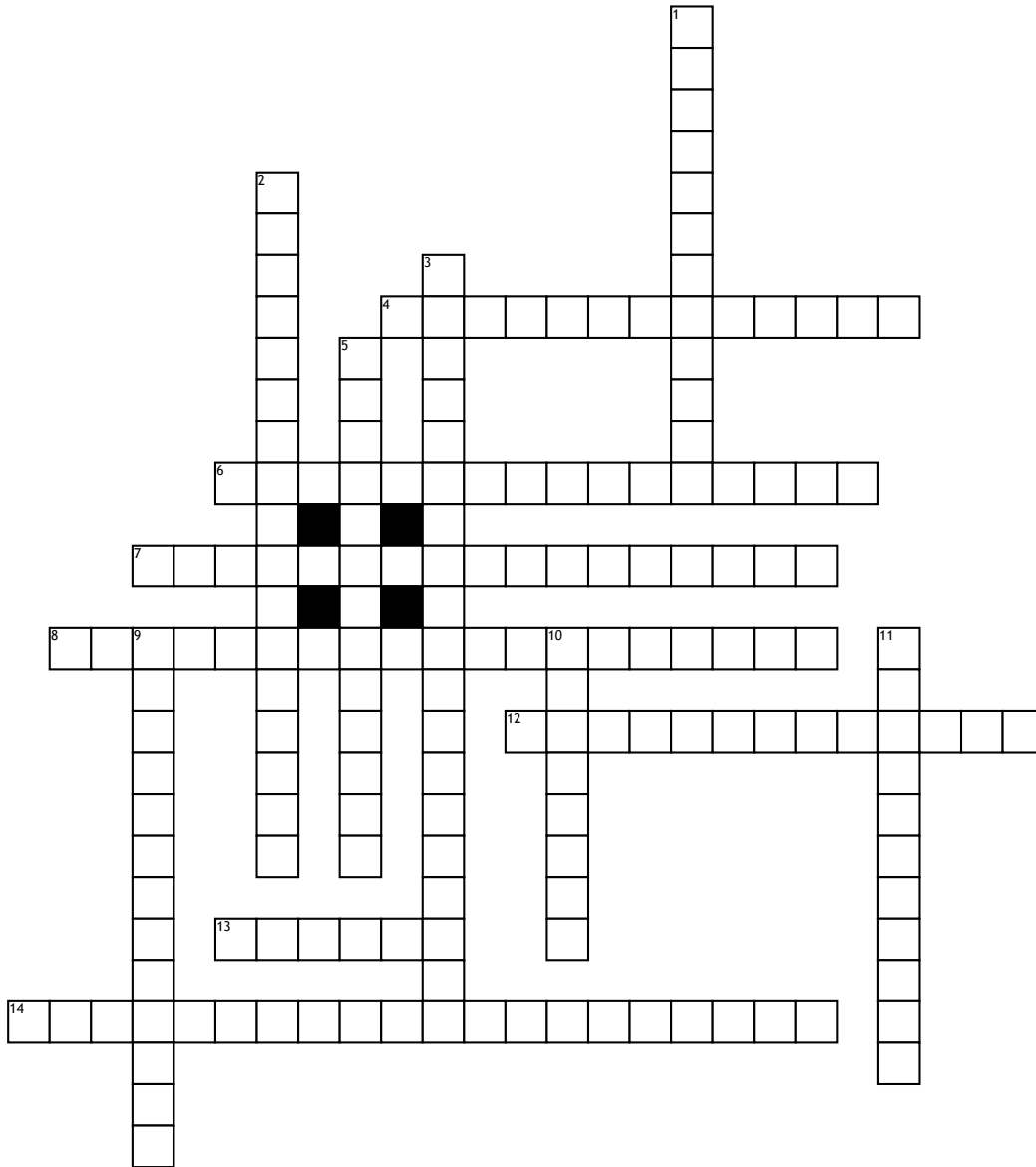


# Unit 4 Vocabulary



## Across

4. A device that converts electrical energy into mechanical energy

6. The relationship between electricity and magnetism

7. The release of electricity stored in a source

8. A material in which charges cannot move freely

12. A solenoid with a ferromagnetic core

13. Any material that attracts iron or materials containing iron

14. The law that states that like charges repel and opposite charges attract

## Down

1. One of two points that have opposing magnetic qualities

2. Electric charges at rest

3. A material in which charges can move freely

5. The space around a charged object in which another charged object experiences an electric force

9. The attraction or repulsion between electric charges

10. A coil wire with a current

11. The force of attraction or repulsion generated by moving or spinning electric charges