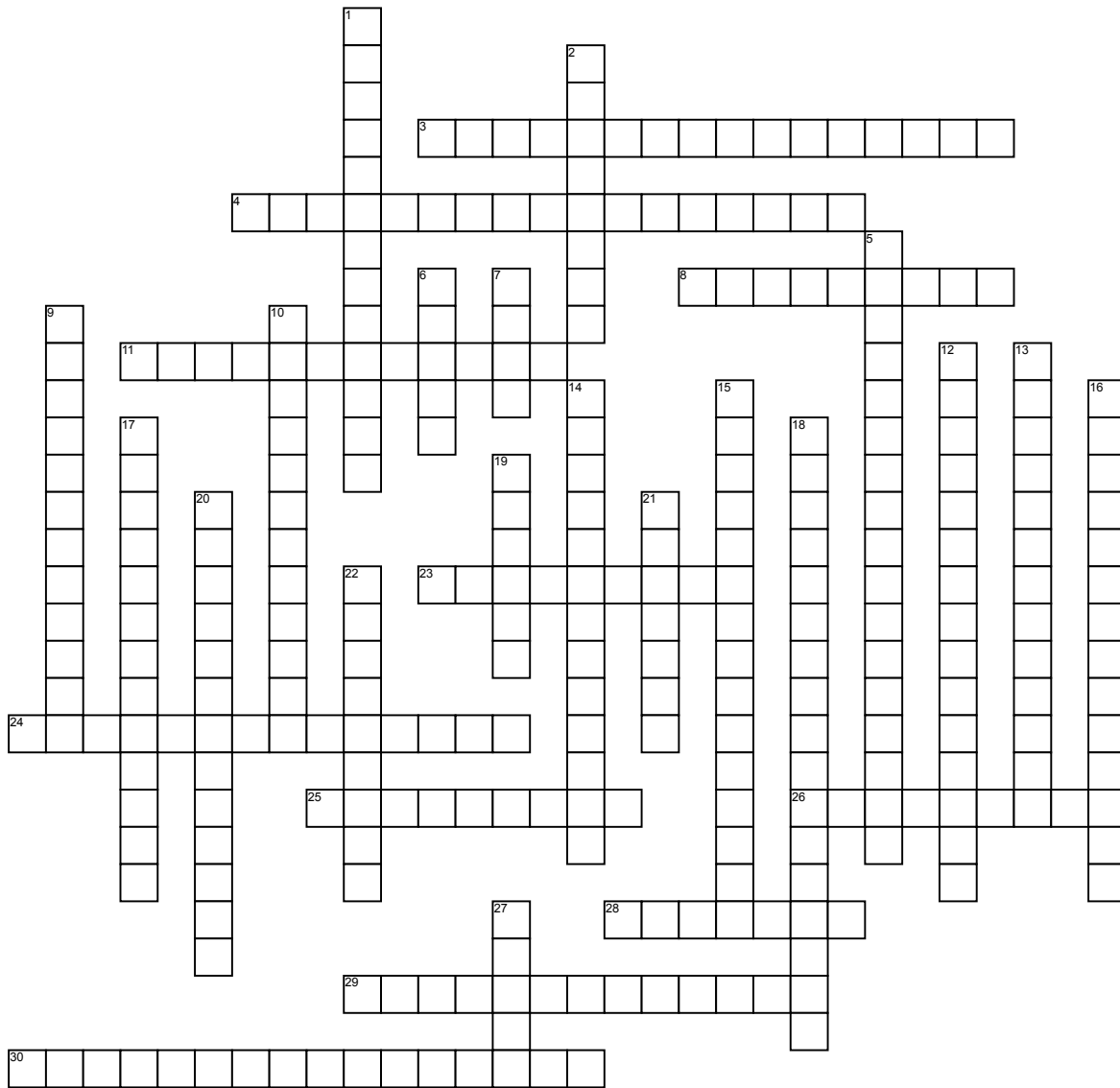


Name: \_\_\_\_\_

# Electricity and Magnetism



## Across

- 3. Charges that don't move (neutral)
- 4. Imbalance of electrons on an object creates
- 8. Electrons cannot move easily through this material
- 11. North and South Pole
- 23. Is a device that transforms mechanical energy into electrical energy
- 24. Electrons
- 25. Pole that points to the North Pole
- 26. Electrons can move easily through this material
- 28. Source of power
- 29. Attracted or repelled force exerted by all charged objects on each other
- 30. Energy changing forms

## Down

- 1. The area where magnetic force is exerted
- 2. A core made of solid or laminated iron, or some other magnetic material which may contain very little iron.
- 5. The direction in which the north end of a compass needle points
- 6. Go farther (opposite)
- 7. The measurement for voltage
- 9. The North Pole magnet
- 10. South Pole magnet
- 12. A circuit with more than one path for extricate current to flow
- 13. A circuit with only one path for electric current to flow
- 14. Surrounds every electric charge & exerts force on other electric charges
- 15. The flow of electric charge

## 16. Protons

- 17. iron core that has copper coils wrapped around it and electric current
- 18. Attracting each other
- 19. An object that attracts or repels certain objects
- 20. the area where magnetic force is exerted
- 21. Come close
- 22. Pole of the magnet that points to South Pole
- 27. A machine that converts energy