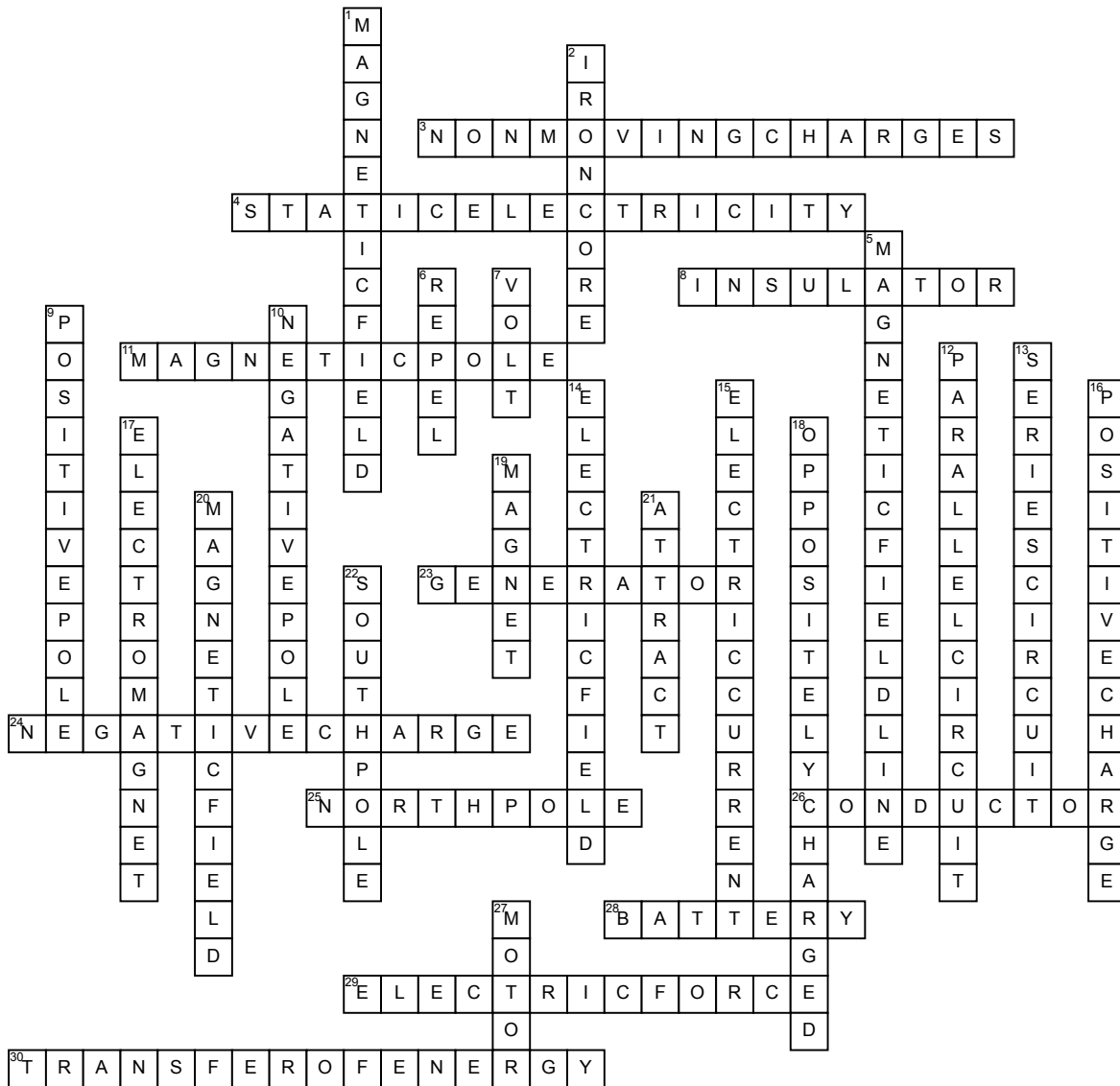


Name: _____

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. Attraction or repulsion 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