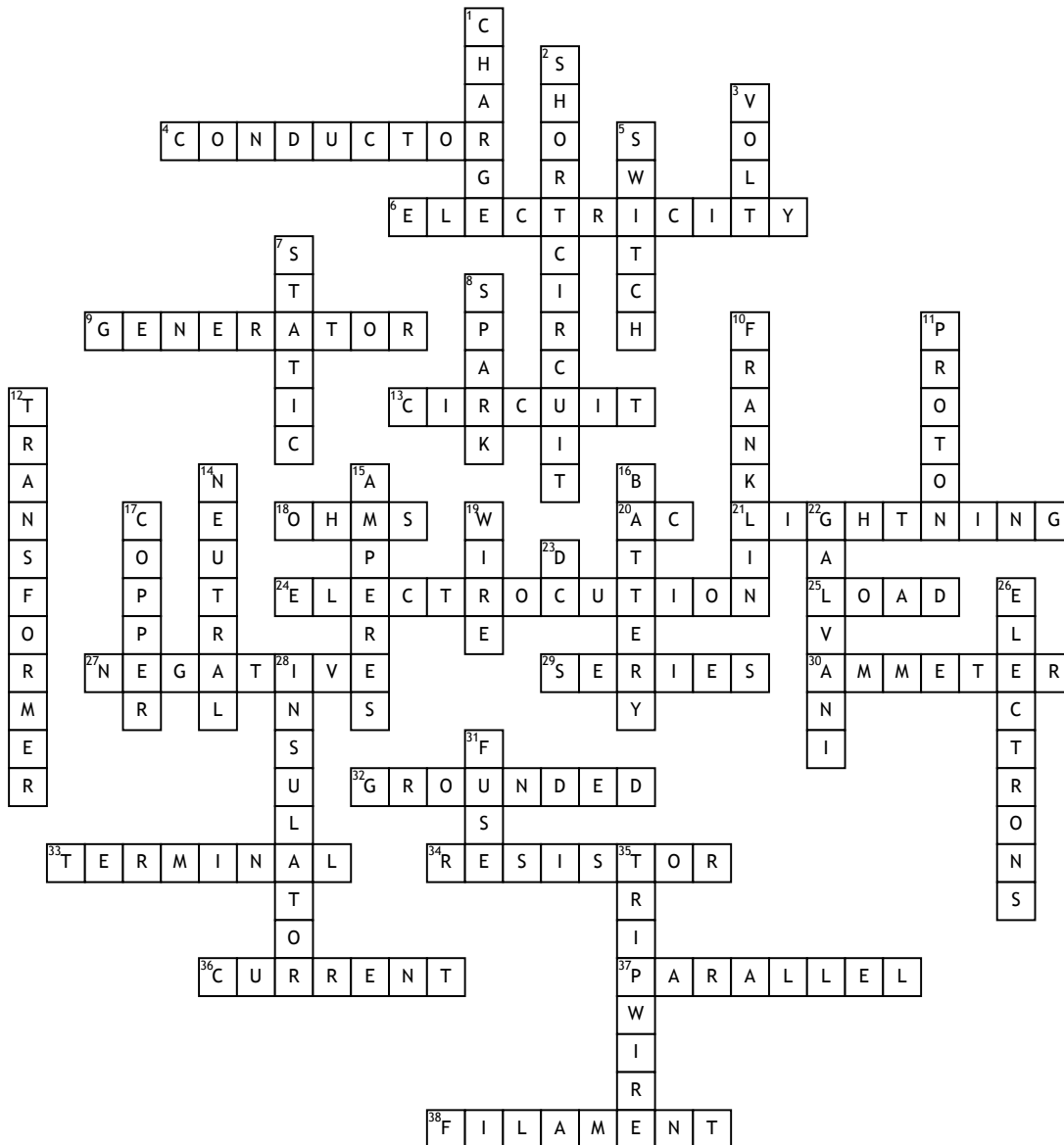


Electricity



Across

4. A material which permits a flow of energy
6. A type of energy that uses charged particles
9. A device that converts mechanical energy to electrical energy
13. The path of which electrical energy flows through
18. The unit used to measure the electrical resistance
20. Alternating Current
21. A flash of light in the sky caused by electrical discharge between clouds and the Earth's surface
24. To injure or kill someone by electric shock
25. One of 3 components needed for an electrical circuit
27. Lacking positive qualities
29. A closed circuit where the current follows one path
30. Used to measure the current in a circuit
32. A connection from a circuit to the earth (safety measure)

33. A point of connection on an electrical device (eg. Battery)
34. A device that reduces the flow of an electric current
36. The flow of electrons
37. A closed circuit where the current divides into two or more paths
38. A thin thread made of tungsten that glows when electric current flows through it

Down

1. To provide an amount of electricity to something
2. A defect in a circuit that causes the current to flow in the wrong direction
3. The unit used to measure electrical potential difference
5. A device that can start to stop flow of electricity in a circuit
7. Electricity that is not moving
8. A flash produced by electrical discharge

10. He proved that lightning was a form of electricity (Benjamin....)
11. A positively charged subatomic particle
12. A device used to transfer electrical energy from one circuit to another
14. Neither positive nor negative
15. The unit used to measure electric current
16. A cell that is a source of power
17. A metal that is a good conductor of electricity
19. A thin, flexible thread of metal
22. He discovered animal electricity (Luigi....)
23. Direct Current
26. A negatively charged subatomic particle
28. A material that prevents energy from easily passing through it
31. A safety device that cuts off an electric circuit if the current exceeds a safe level
35. A wire that activates a trap or light when disturbed