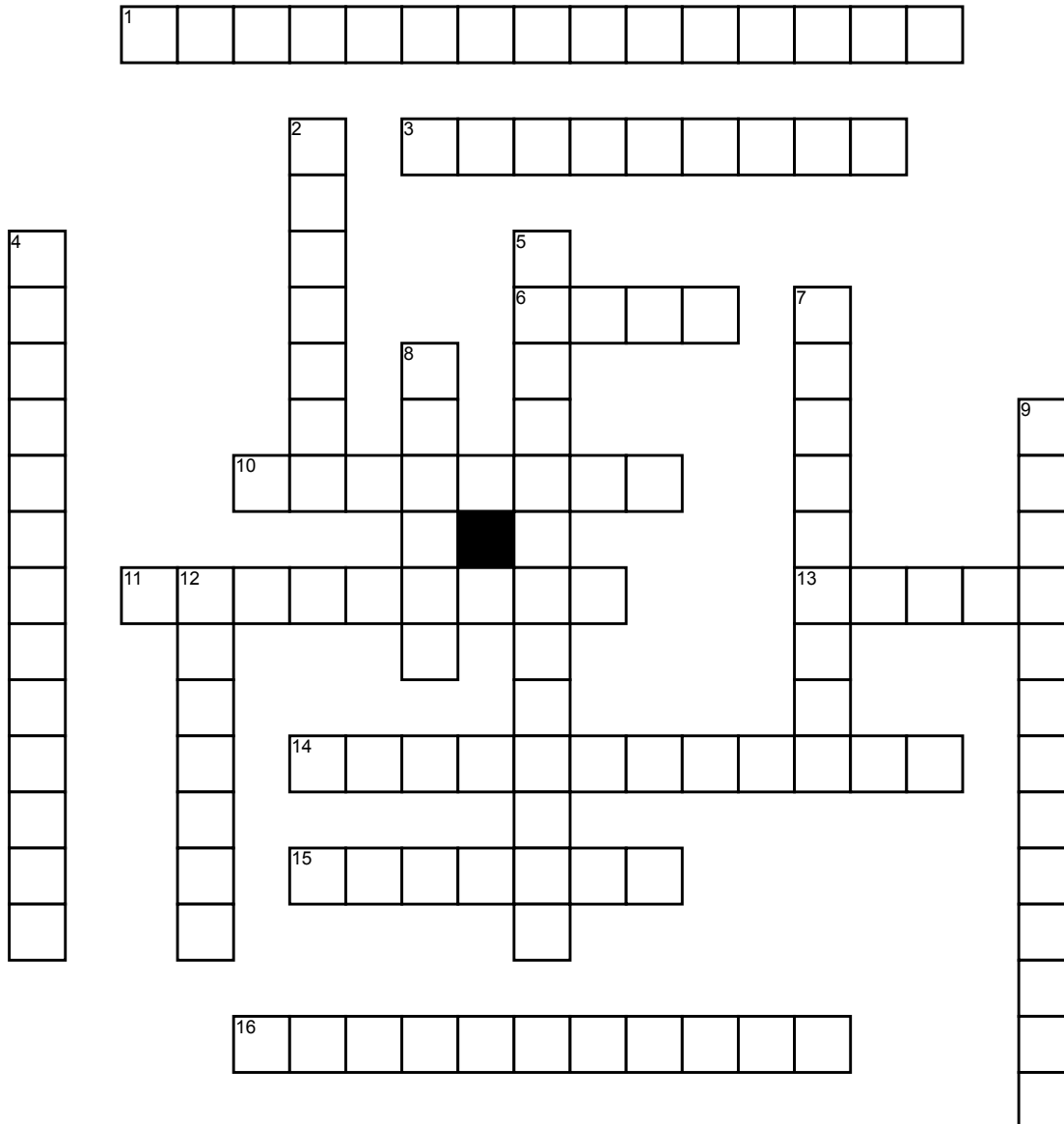


Electricity vocab



Across

1. a circuit in which different loads are on separate branches
 3. a stable subatomic particle with a charge of negative electricity
 6. a device that uses electrical energy to do work
 10. a device having a designed resistance to the passage of an electric current
 11. a material in which charges can move easily
 13. the basic unit of a chemical element

14. Material such as coal, gas, oil, and wood consumed in generation of power.

15. a flow of electricity which results from the ordered directional movement of electrically charged particles.

16. an electrical circuit that is not complete.

Down

2. the difference in energy per unit charge as a charge moves between two points in an circuit.

4. a circuit in which all parts are connected in a single loop

5. a soft metal core made into a magnet by the passage of electric current through a coil surrounding it.

7. a material in which charges cannot easily move

8. a device for making and breaking the connection in an electric circuit.

9. a complete electrical connection around which current flows or circulates.

12. the law that states the relationship between current (I), voltage (V), and resistance (R); expressed by the equation $I=V/R$