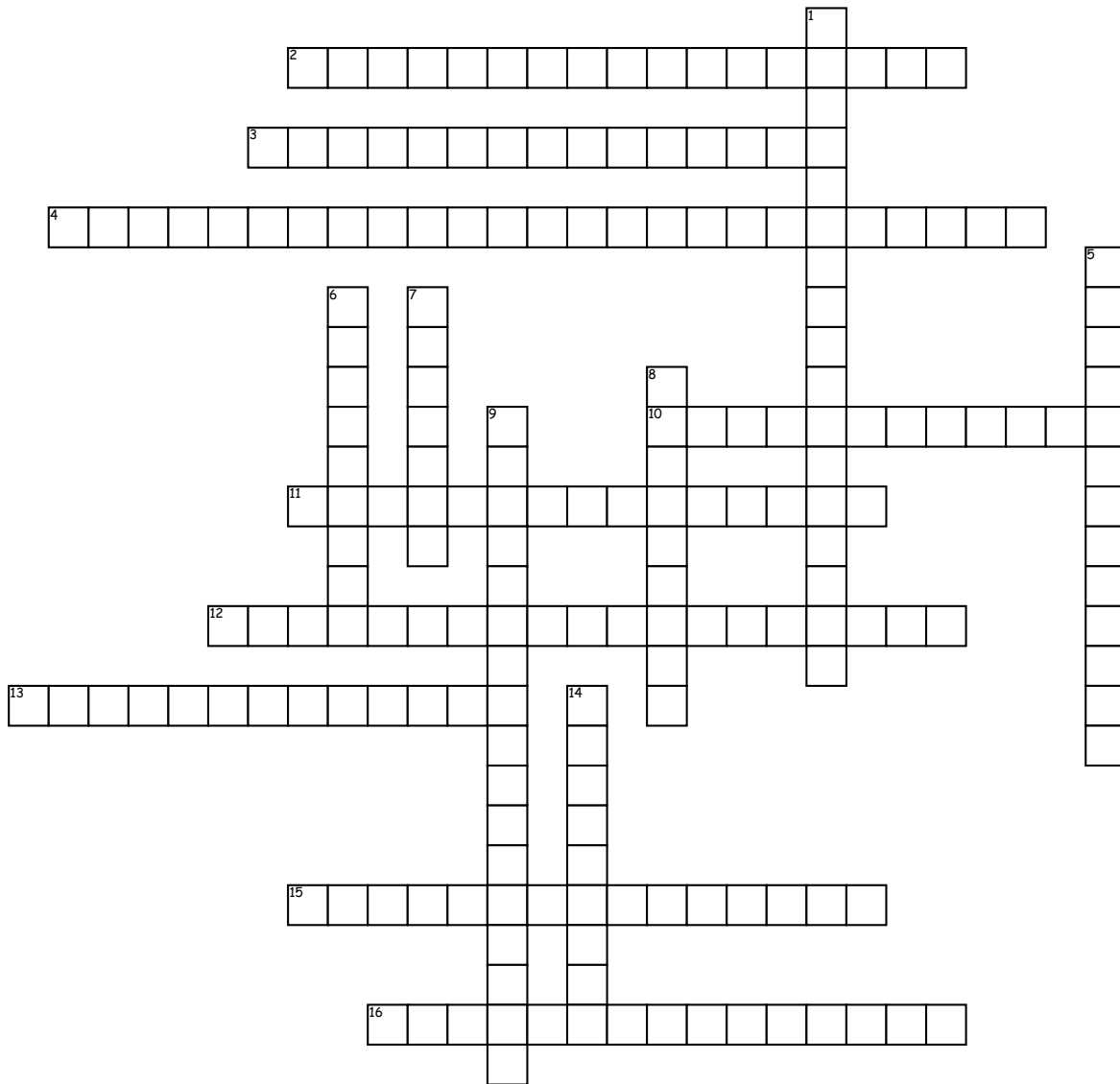


Electricity



Across

- 2. the process of transferring charge by touching or rubbing.
- 3. the net movement of electric charges in a single direction.
- 4. states that charge can be transferred from object to object, but it cannot be created or destroyed
- 10. this is a device that can detect electric charge.
- 11. contains two or more branches for current
- 12. the rearrangement of electrons on a neutral object caused by a nearby charged object.

- 13. this surrounds every electric charge and exerts the force that causes other electric charges to be attracted or repelled.
- 15. this is a closed path that an electric current follows
- 16. the rate at which electrical energy is converted into another form of energy

Down

- 1. The accumulation of excess electric charge on an object.
- 5. an electric circuit with only one branch
- 6. this is a material that electrons cannot easily move through.
- 7. states that the current in a circuit equals the voltage difference divided by the resistance
- 8. The tendency for a material to resist the flow of electrons and convert electrical energy into other forms of energy.
- 9. this is related to the force that causes electric charges to flow.
- 14. this is a material that electrons easily move through.