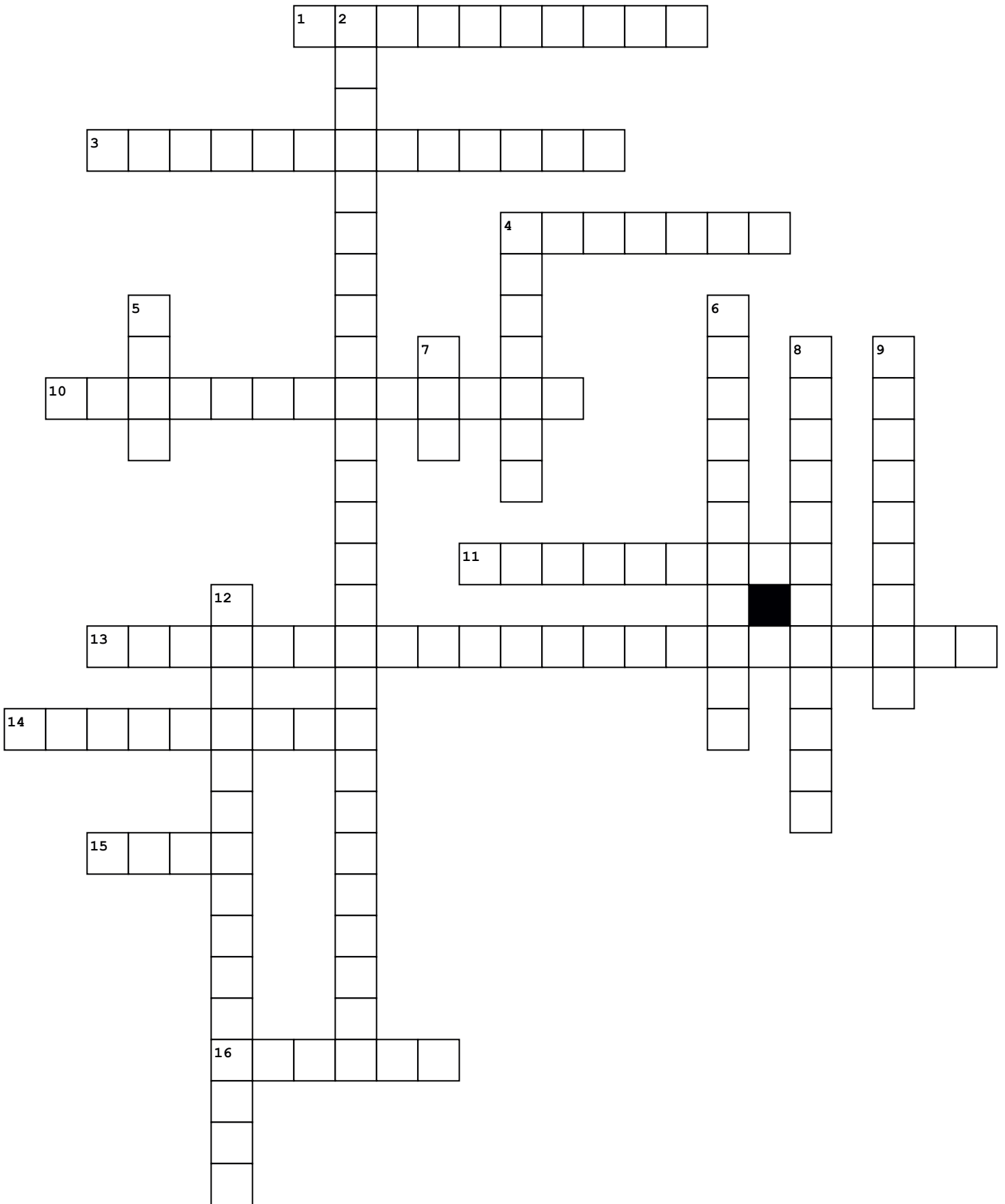


# Electricity



### Across

1. any tendency of a material to prevent electrical flow
3. a condition that occurs when electricity flows back to its source to rapidly and trips fuses, burns wires, and drains batteries
4. protective tube with individual insulated wires running through it
10. the use of 1000 watts per hour
11. the process of making an electrical connection between a circuit, electricity-using device, or other electricity source to the earth to reduce the chance of shock and damage
13. a standard for the safe installation of electrical wiring and equipment
14. any material that will permit an electron to move through it
15. a measure of energy available or work that can be done using one ampere at one volt
16. a measure of the rate of flow of a current in a conductor

### Down

2. Agriculture mechanics
4. an electrical source and wires connected to an electrical device
5. a measure of electrical pressure
6. form of energy that can produce light, heat, magnetism, and chemical changes
7. a measure of the resistance of a material to the flow of an electrical current
8. loss of voltage as electricity travels through a wire
9. material that provides great resistance to the flow of electricity
12. a switch that trips and breaks the circuit when more than a specified amount of current that passes through it