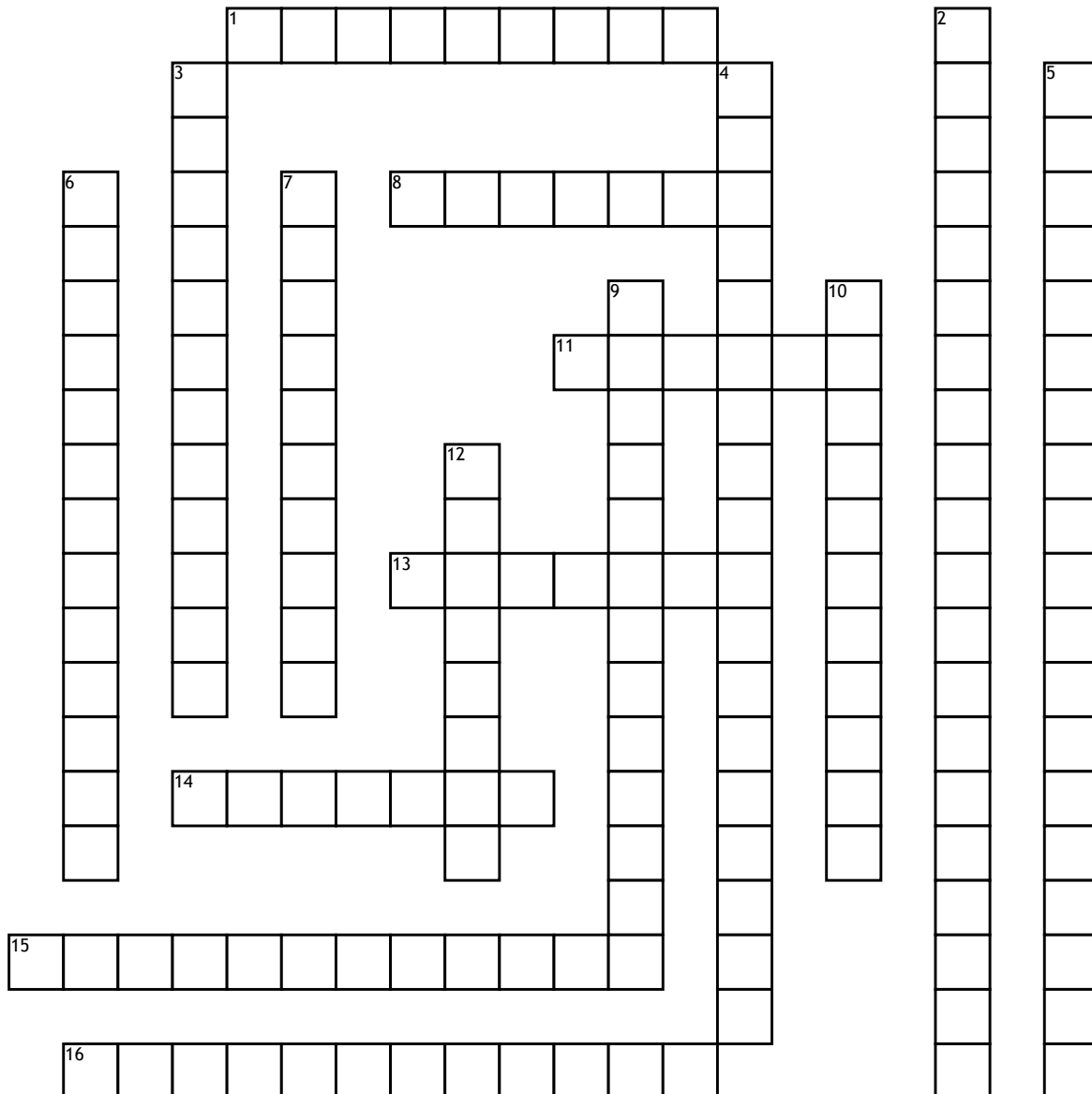


Electrostatics and Current Electricity



Across

1. a device which stores electrical energy
 8. Measure of energy given to the charge flowing in a circuit
 11. property of a substance in which electrons and protons exerts force of attraction and repulsion
 13. Rate of flow of electrons
 14. Current through a conductor between two points is directly proportional to the voltage and inversely proportional to resistance

15. reciprocal of resistance
 16. Moh and siemen is a unit of

Down

2. charge per unit area
 3. Electric lines of forces passing through a certain area
 4. energy required to move a charge in an electrical circuit
 5. charge per unit volume
 6. region around the charges in which other charges experience force

7. property of a material which oppose the flow of current
 9. Charge per unit length
 10. resistance offered by a conductor of unit length and unit area of cross section
 12. Electric flux through any closed surface is $1/(\text{electric constant})$ times the total charge enclosed in it