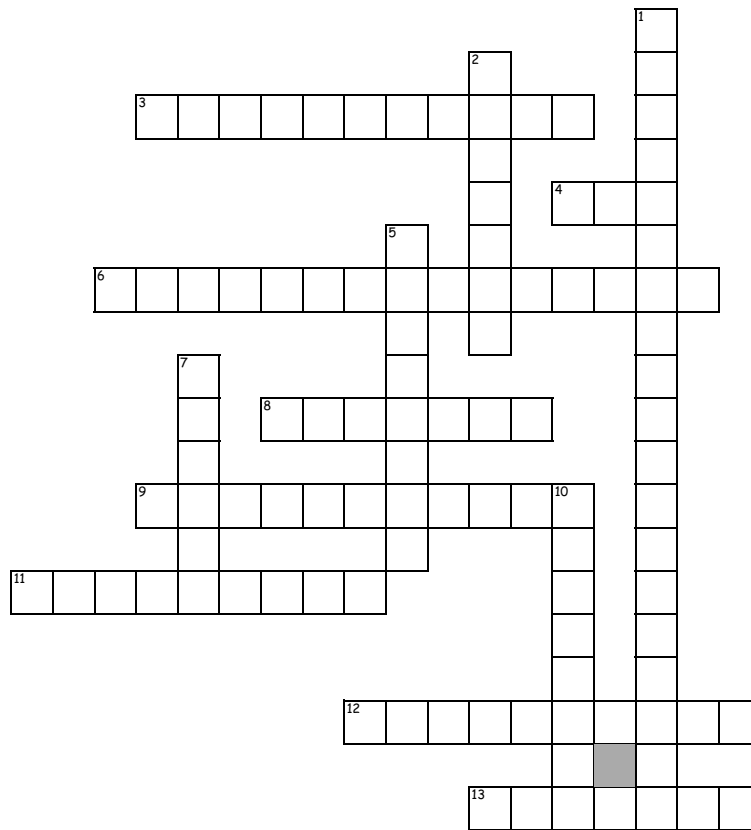


# Electricity



## Across

3. a form of energy resulting from the existence of charged particles
4. an atom or molecule with a net electric charge due to the loss or gain of one or more electrons
6. a closed circuit in which the current divides into two or more paths before recombining to complete the circuit
8. an electromotive force or potential difference expressed in volts
9. A device used to transfer electrical energy from one circuit to another
11. a force that acts at a distance due to a magnetic field
12. a hindrance to the flow of a charge
13. a flow of electric charge

## Down

1. the difference of electrical potential between two points
2. the complete path around which an electric current flows
5. a stable subatomic particle that is found in atoms with a charge of negative electricity
7. is a characteristic of a unit of matter that expresses the extent to which it has more or fewer electrons than protons
10. an electronic component that is designed to offer a desired amount of resistance to the flow