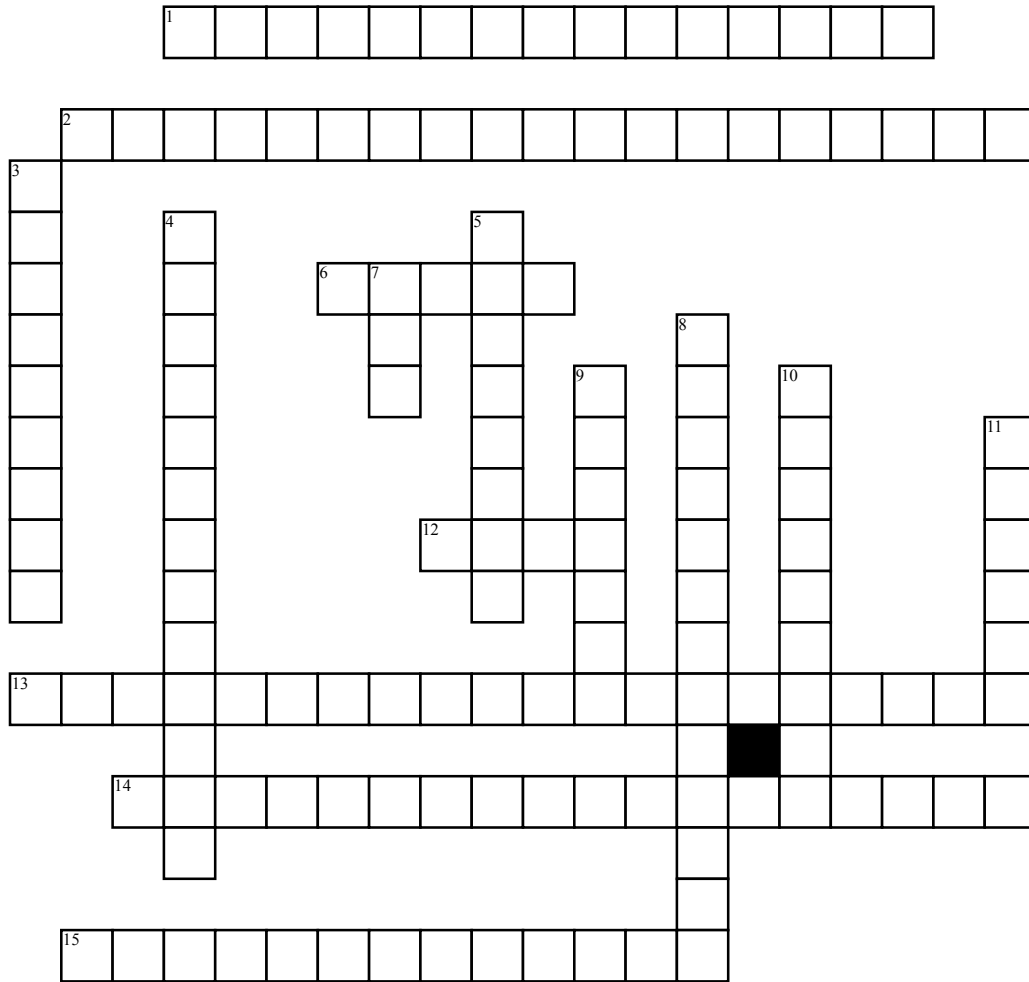


Electricity Word Search



Across

1. what is comprises branches so that the current divides and only part of it flows through any branch?

2. what is the difference of electrical potential between two points?

6. what is the amount of energy transferred or converted per unit time?

12. which term electric potential difference, electromotive force, electric pressure or electric tension is the difference in electric potential between two points?

13. what is where the aggregate resistance connected either in parallel or series is calculated.

14. which electric current periodically reverses direction and changes its magnitude continuously with time in contrast to direct current

15. what is an electric current following in one direction only?

Down

3. what is a material in which the electron does not flow freely or the atom of the insulator have tightly bound electrons

4. what is the region of space around a charge where a positive test charge experiences a force?

5. what is a passive two-terminal electrical component that implements electrical resistance as a circuit element?

7. which law states that the current through a conductor between two points is directly proportional to the voltage across the two points?

8. what is a circuit in which resistors are arranged in a chain, so the current has only one path to take?

9. which term uses this formula $V = IR$

10. what is an object or type of material that allows the flow of charge in one or more directions?

11. is the base unit of electric current in the International System of Units.

Word Bank

Conductor

Resistor

Alternating current

Electric field

Series Circuit

Power

Ampere

Potential Difference

Direct current

Volt

Equivalent Resistance

Voltage

Insulator

Parallel Circuit

Ohm