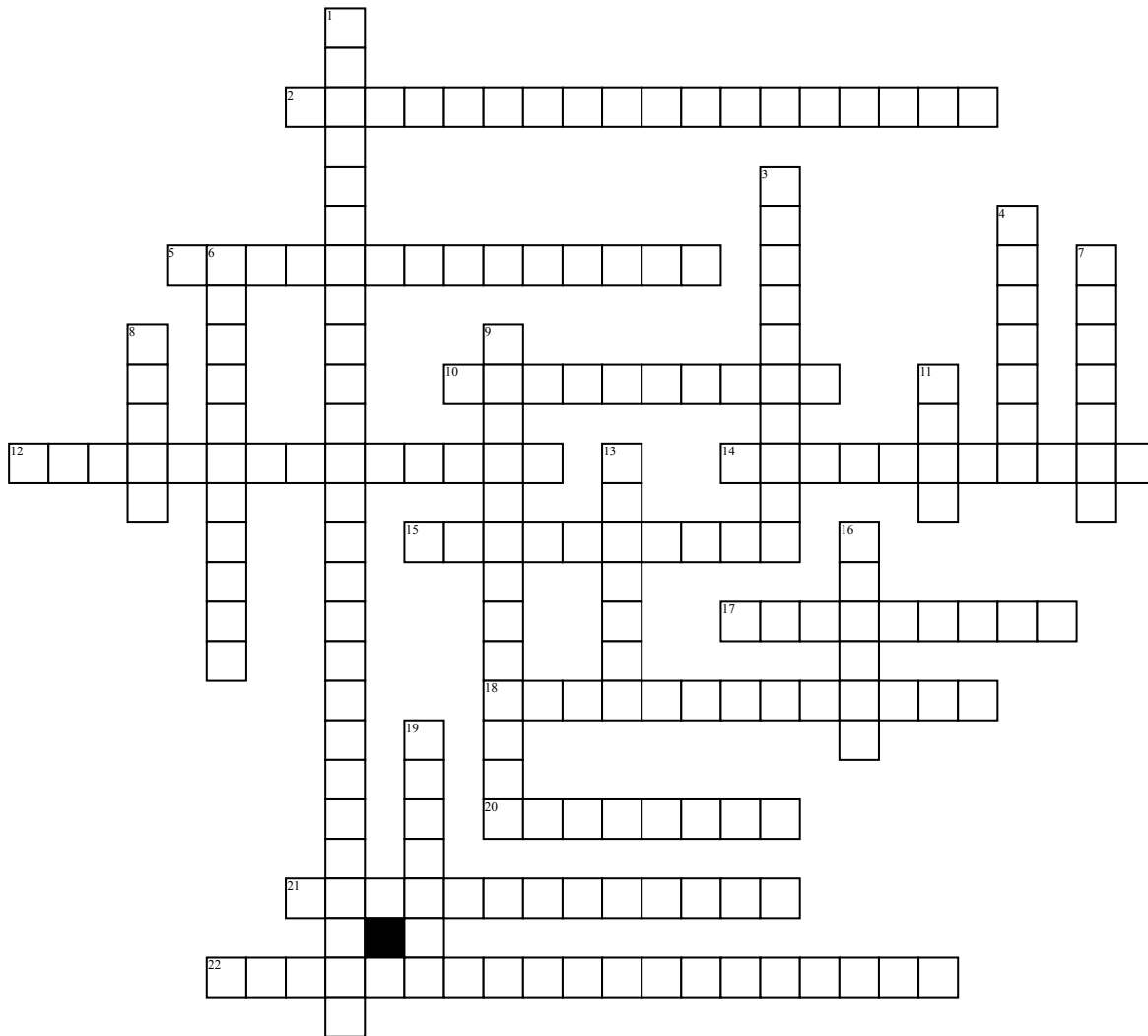


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Electricity Unit Crossword puzzel



## Across

2. an electric current which periodically reverses direction

5. two terminal device which can maintain a fixed voltage. ... Real-world sources of electrical energy, such as batteries,

10. an electrical quantity that measures how the device or material reduces the electric current flow through it

12. circuit has a power source, a complete path for electrons to flow, and a resistor as the load

14. electrical force between two charged objects is directly proportional to the product of the quantity of charge

15. A material that does not easily transmit energy, such as electric current or heat.

17. is an electrical component that limits or regulates the flow of electrical current in an electronic circuit.

18. An electric circuit through which current can flow in an uninterrupted path

20. the point at which a conductor from an electrical component, device or network comes to an end

21. is a circuit that Electric Current flows through in one direction

22. pressure or electric tension (formally denoted  $\Delta V$  or  $\Delta U$ , but more often simply as  $V$  or  $U$ )

## Down

1. performed by Robert A. Millikan and Harvey Fletcher in 1909 to measure the elementary electric charge

3. material or an object that conducts heat, electricity

4. a unit of measure of the rate of electron flow or current in an electrical conductor

6. An electric circuit through which current cannot flow because the path is broken or interrupted by an opening

7. any circuit the electric current is directly proportional to the voltage and is inversely proportional

8. also called electromotive force, is a quantitative expression of the potential difference in charge between two points in an electrical field

9. is a closed circuit in which the current follows one path, as opposed to a parallel circuit where the circuit is divided into two or more paths. In a series circuit, the current through each load is the same and the total voltage across the circuit is the sum of the voltages across each load.

11. electrical resistance between two points of a conductor And a constant

13. physical property of matter that causes it to experience a force when placed in an electromagnetic field

16. control consisting of a mechanical or electrical

19. is a flow of electric charge. In electric circuits this charge is often carried by moving electrons in a wire. It can also be carried by ions in an electrolyte, or by both ions and electrons such as in an ionised gas (plasma).