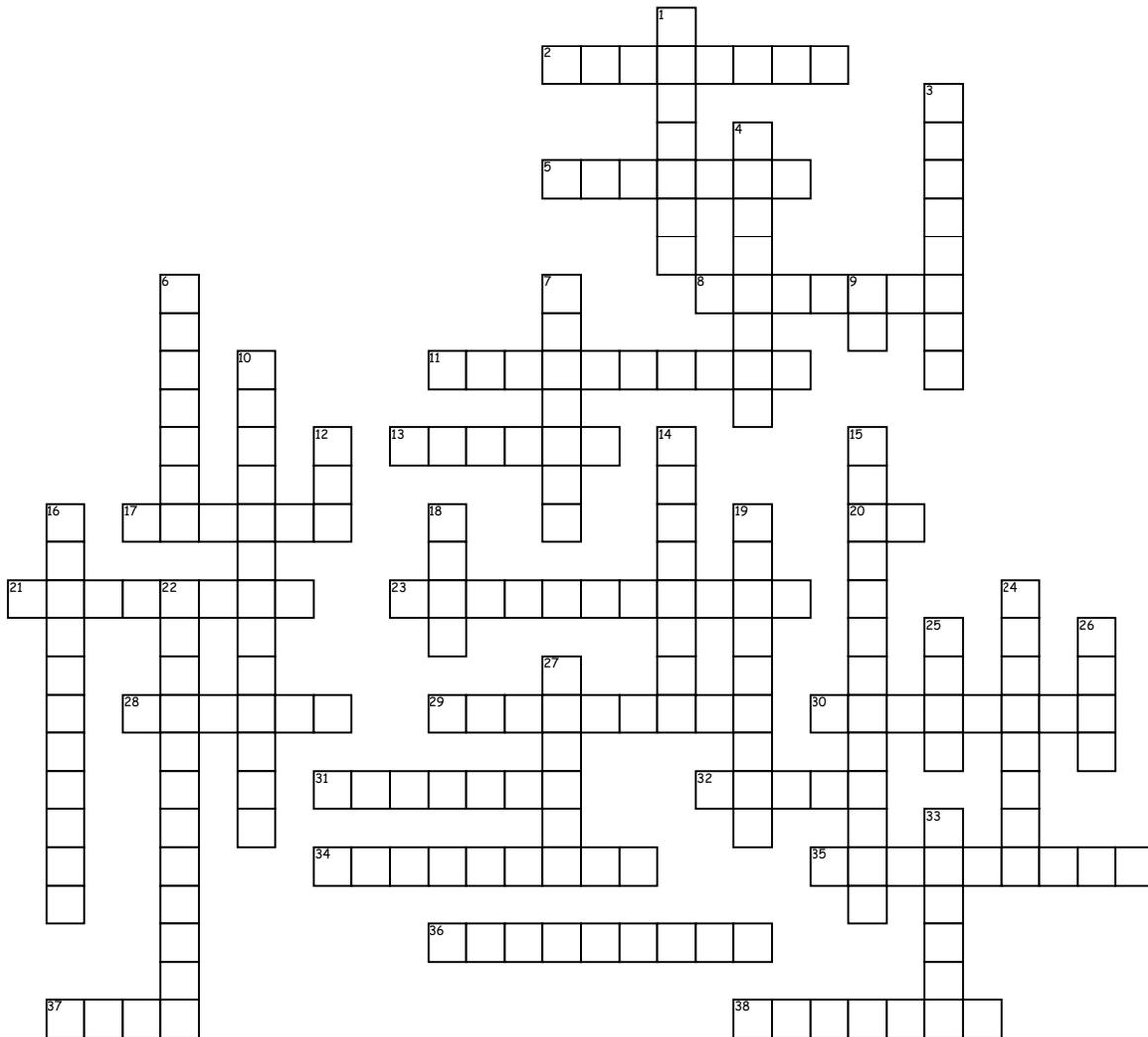


# Science•Electricity



## Across

2. Opposite of positive  
 5. a unit of measure of the rate of electron flow or current in an electrical conductor  
 8. Italian physician and physicist  
 11. To much power into a battery  
 13. A chemical element with the symbol Cu  
 17. The occurrence when a balloon is rubbed on your head  
 20. Abbreviation of direct current  
 21. is an electrical component that limits or regulates the flow of electrical current in an electronic circuit  
 23. A device used to transfer electrical energy from one circuit to another  
 28. subatomic particle found in the nucleus of every atom  
 29. A material or an object that does not easily allow heat, electricity, light, or sound to pass through it  
 30. forming or situated at the end or extremity of something

31. An object that does not have a positive or negative charge  
 32. Electrical or other energy that is put into a machine  
 34. A material or device that conducts or transmits heat or electricity  
 35. A natural occurrence that makes the sound of thunder  
 36. a machine that converts one form of energy into another  
 37. Symbolised as 'V'  
 38. an instrument for measuring electric current in amperes

## Down

1. Charged electrically to provide power  
 3. The condition of having opposite electrical charges  
 4. To put more power into a battery  
 6. a system of electrical conductors and components forming an electrical .....  
 7. the time rate of flow of electric charge

9. Abbreviation of Alternating Current  
 10. electric current passing through the body  
 12. A flash of light that happens when electricity flows between two separate points  
 14. A period when the electricity supply stops  
 15. Using water power to produce energy  
 16. the electric charge inside the wires  
 18. metal drawn out into the form of a thin flexible thread or rod  
 19. a stable particle with a charge of negative electricity  
 22. a path of very low resistance has been opened  
 24. Improved the stove so it was more efficient  
 25. electrical resistance between two points of a conductor when a constant potential difference of 1 volt  
 26. A sudden strong increase in energy  
 27. An electrical power supply  
 33. Can be known as an electric ....., electrical ..... or an electrostatic .....