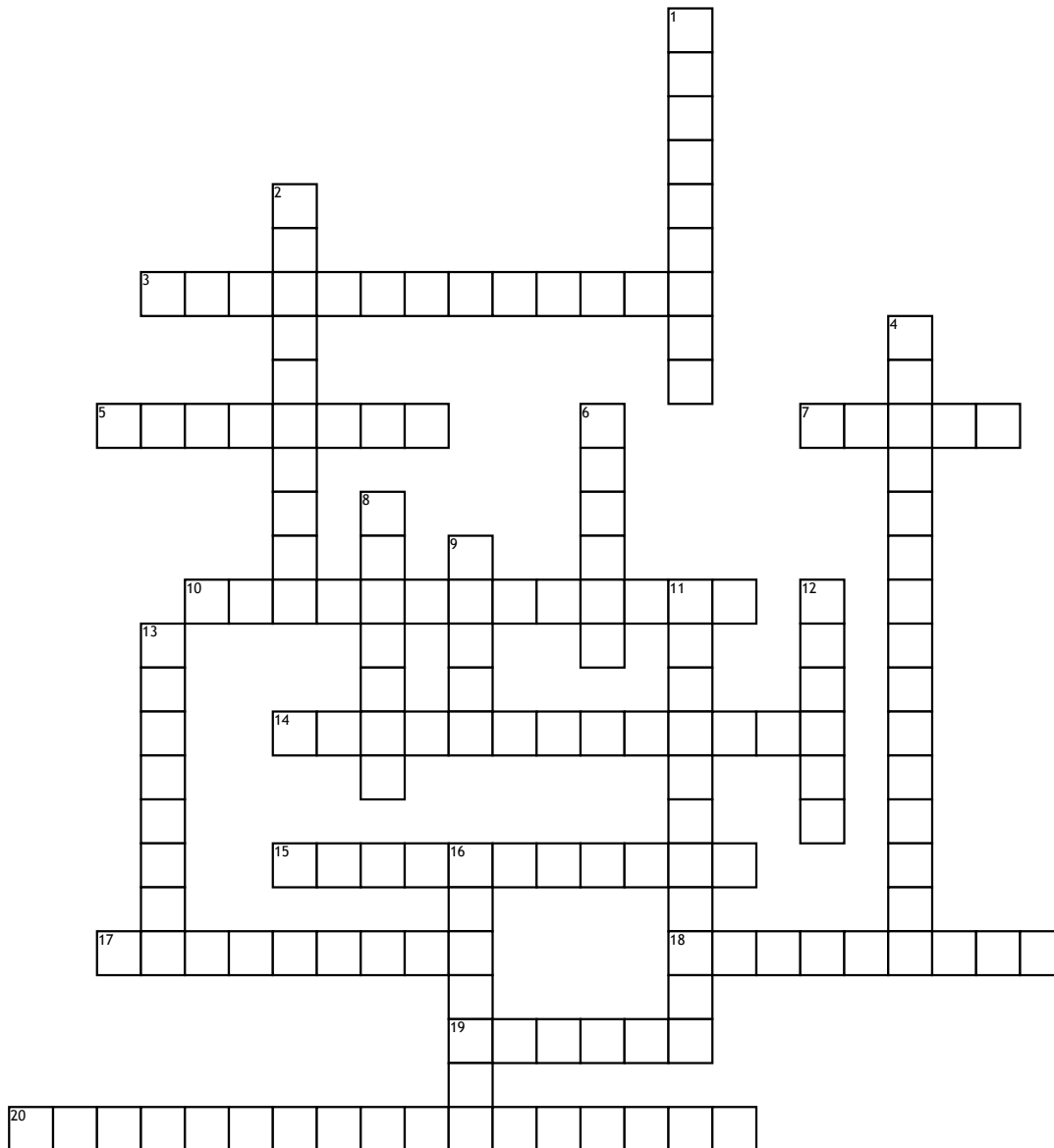


Name: \_\_\_\_\_

# Science Crossword



## Across

3. a complete electrical connection around which current flows or circulates.  
5. a stable subatomic particle with a charge of negative electricity  
7. strength or energy as an attribute of physical action or movement.  
10. a powerful magnet that uses an electric current passed in a wire around it to produce its force  
14. a circuit in which resistors are arranged in a chain, so the current has only one path to take.  
15. an electrical circuit that is not complete.  
17. a substance which does not readily allow the passage of heat or sound.

18. the production of electrical or magnetic forces in an object by other electrical or magnetic forces near it  
19. a form of power such as electricity, heat, or light that is used for making things work  
20. a stationary electric charge, typically produced by friction

## Down

1. A material through which electric current can easily pass  
2. the ability of something to stop the flow of electricity  
4. a closed circuit in which the current divides into two or more paths before recombining to complete the circuit.

6. the amount or type of electrical force that something has. The protons in an atom have a positive charge, and the electrons have a negative charge.  
8. a container consisting of one or more cells, in which chemical energy is converted into electricity and used as a source of power.  
9. the SI unit of work or energy  
11. A form of energy created by the movement of electrons  
12. a stable subatomic particle occurring in all atomic nuclei, with a positive electric charge  
13. the resistance that one surface or object encounters when moving over another.  
16. a flow of electricity