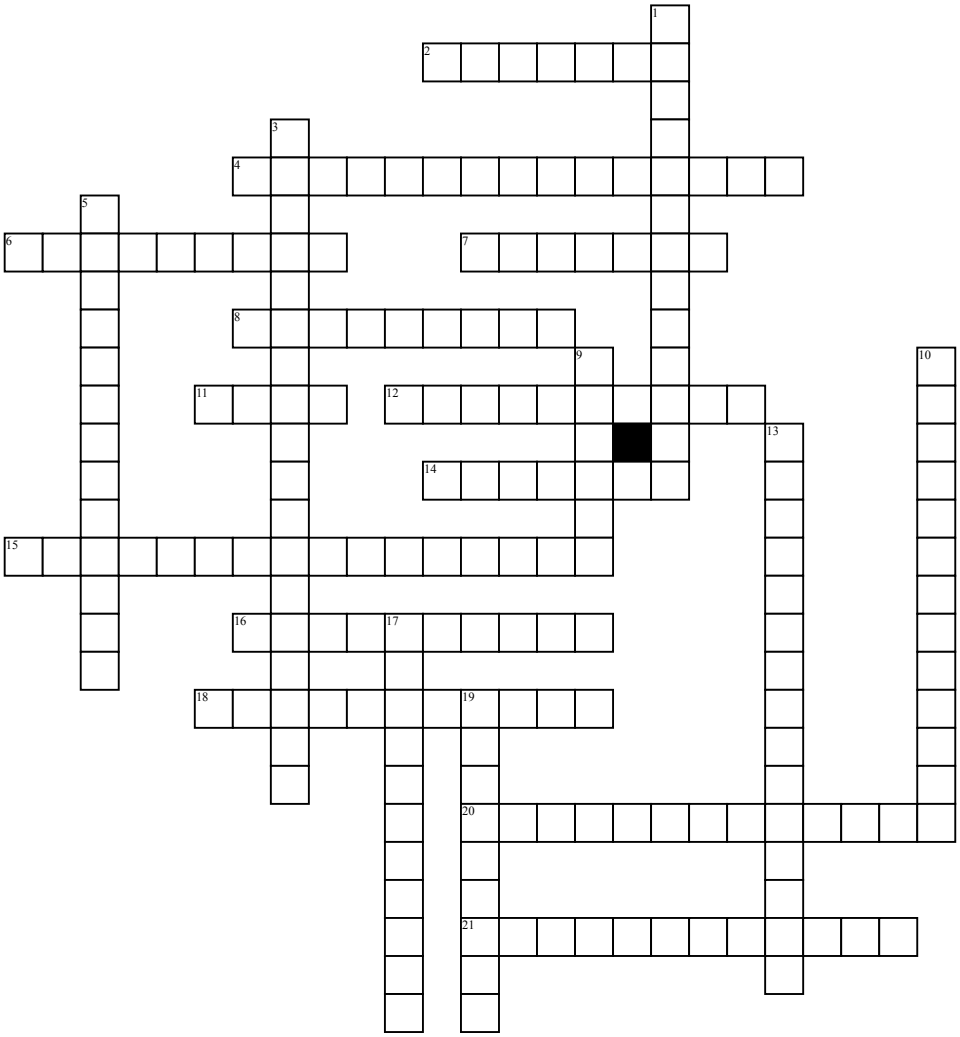
Name: _____ Date: _____

Circuits



Across

2. The potential difference in a circuit, measured in Volts.

4. The pathway through which electric current (electron) flows.

6. Measures the voltage in circuits

7. The rate of electron flow in a circuit, measured in Amperes.

8. A material that stops heat and electric current from flowing. (For example: rubber or styrofoam)

11. A unit of power in a circuit

12. A switch actuated by electrical impulses generated by a dial or key pulsing arrangement

14. Measures the current in circuits

15. Switches that have moving parts and allow you to turn a load on or off

16. A type of switch that contains no moving parts and uses electricity to turn itself on and off.

18. A pathway that prevents electric current from flowing freely or stops the flow - light is off!

20. Electrical current that only moves in one direction.

21. a switch in which a projecting knob or arm, moving through a small arc, causes the contacts to open or close an electric circuitsuddenly

Down

1. A naturally poor conductor that could easily be modified to conduct electricity under certain conditions

3. Current that changes direction on a regular interval of time.

5. A pathway that allows an electric current to flow freely - light is on!

9. A device that enables you to turn current on and off

10. An electric circuit with a single path

13. A circuit that contains more than one path for current flow.

17. Switch having a sliding button, bar or knob

19. A material that allows heat and electricity to flow through it. (For example: any metal)

Word Bank

Ammeter	Open circuit	Toggle switch	Slide switch	Transistor
Current	Voltage	Alternating current	Insulator	Voltmeter
Dial switch	Watt	Semiconductor	Electric circuit	Parallel circuit
Conductor	Mechanical switch	Closed circuit	Switch	Series circuit
Direct current				