

1. a path through which electric current can flow

- A. circuit
- B. insulator
- C. conductor

2. A material through which electricity flows easily is called?

- A. An insulator
- B. A conductor

3. Electrically charged particles -----when flowing through a resistor.

- A. lose energy
- B. Save energy

4. Which type of circuit has only one conduction path (one wire)?

- A. Series circuit
- B. Parallel circuit

5. A flow of electrical charges is known as \_\_\_\_\_.

- A. Resistance
- B. electrical current
- C. voltage

6. You are asked to design a product that will change electrical energy to heat energy. Choose the item you would research while developing your product.

- A. Hair dryer
- B. Alarm clock
- C. Ceiling fan
- D. Cell phone

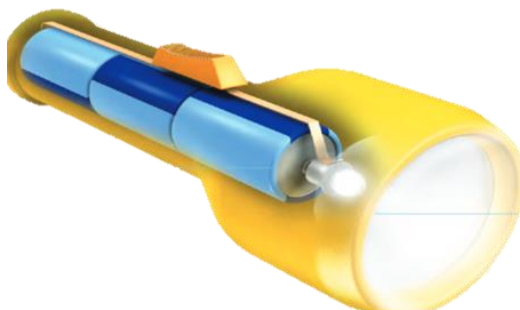
7. A switch in a circuit \_\_\_\_\_.

- A. acts as an insulator
- B. absorbs electricity
- C. allows or stops the flow of electricity

8. In an electric circuit, a battery can act as a \_\_\_\_

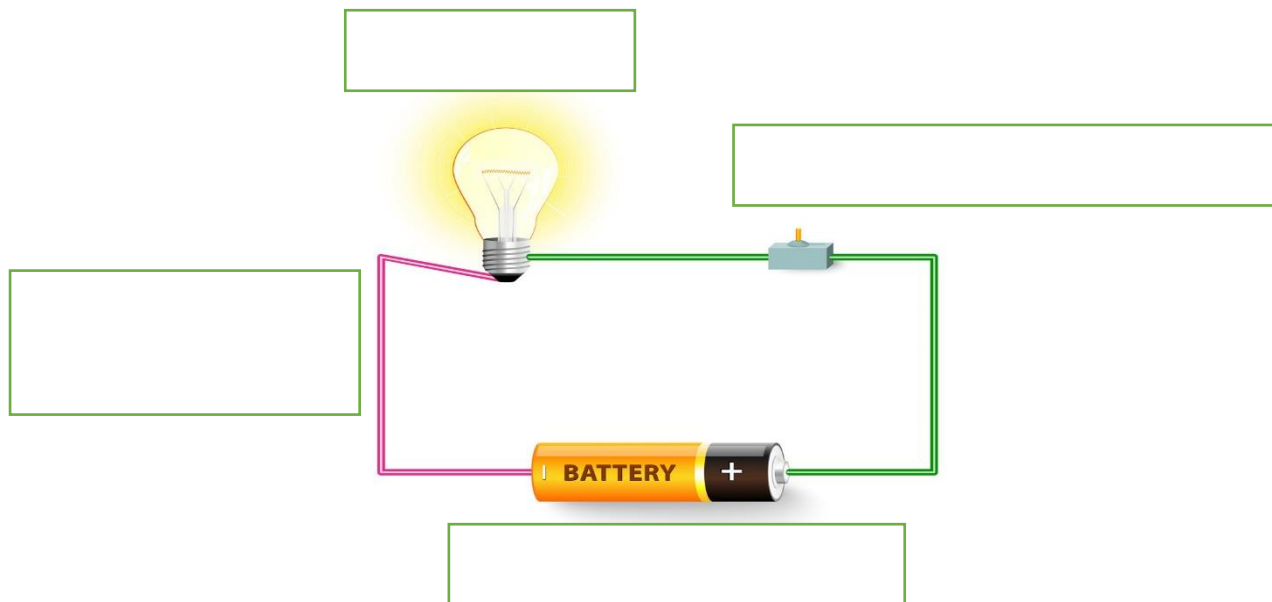
- A. voltage source
- B. conductor
- C. insulator
- D. resistor

9. In a diagram, where is the Voltage source in this picture? Circle it .



10. Draw an example of parallel circuit using (2 lightbulbs, wires , battery , switch )  
Label the terms in the drawing ( 4 marks )

11. In the circuit below, put the terms in its suitable place  
( wire, switch, battery, lightbulb ) ( 4 marks )



12. What does the battery do in the circuit ?

- A. Switch the electricity
- B. Provide electricity
- C. Provide light energy

13. In the heater, what happens to the electrical energy?

- A. Change to light energy
- B. Change to heat energy
- C. Change to energy of motion

14. Which one is an example of an insulator?

- Metallic pan
- Paper
- Coin

15. Write any new vocabulary or information you know about electricity ?

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Alqemma school  
Ministry of education  
Science test

**name:** .....

**class:**.....