



Our Vision: Innovative education for a knowledge-based, pioneering and global society.

Department of Science 2018 - 2019
Second Term: Worksheet - 3
L-5.1 & 5.2 Circuits

Grade 2.....

Name:.....

Date:/...../2019

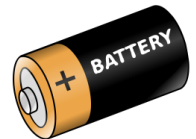
Q.1. Fill in the blanks with the help of given words in the box.

negative break path complete energy electricity positive closed

- a. Circuit is a _____ that allows _____ to pass through it.
- b. Electricity always travels from the _____ to the _____.
- c. Electricity can only move through a _____ or _____ circuit.
- d. If there is a _____ in the circuit, electrical _____ cannot flow.

Q.2. Briefly describe the function of the following circuit components.

a. _____



b. _____



c. _____



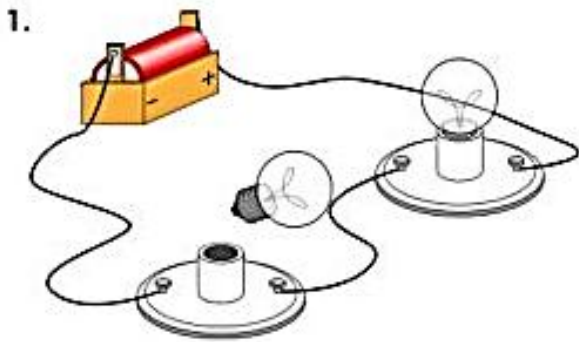
d. _____

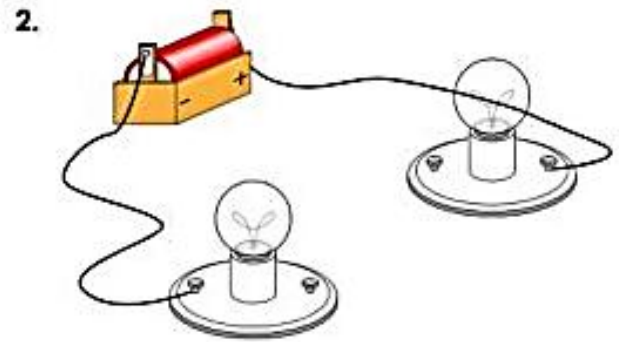


Q.3. Explain why the light bulb will not light up in the given circuit.

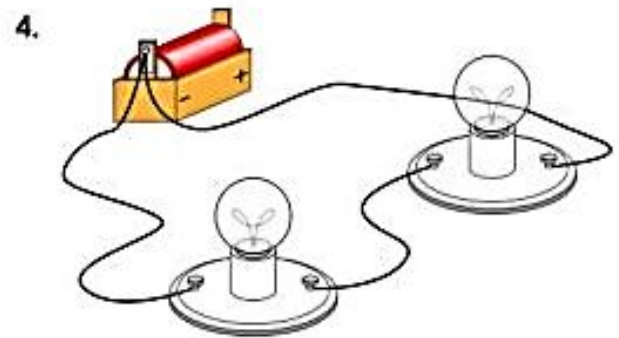


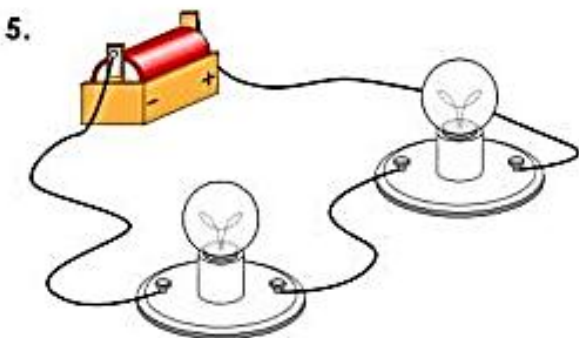
Q.4. Predict if the circuits will work. Write if the light bulb or light bulbs 'will light up' or 'will not light up' based on the circuit.

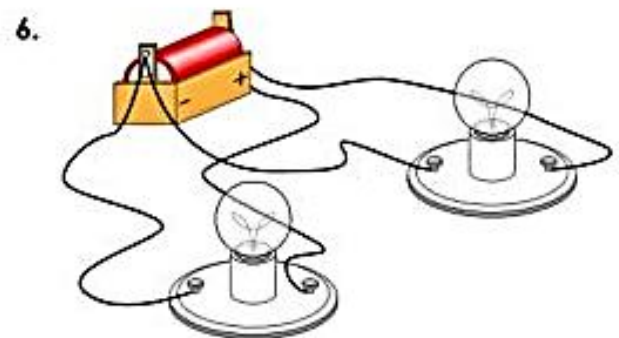












Q.5. Name three objects that work with batteries.

_____, _____, _____

Q.6. Name the components of a simple circuit.

- 1- 3-
2- 4-

Q.7. What do we call the part of the circuit that supplies the electricity?

Q.8. What are the wires made of?

glass metal rubber

Q.9. Which metal are wires made of?

Copper Gold Iron



Q.10. What are wires covered with?

paper plastic glass

Q.11. Write True or False.

- 1- If there is a gap in the circuit the bulb will light up. _____
2- The parts of the circuit are called the components of the circuit. _____
3- Electricity can flow through a glass wire. _____
4- Wires are covered in plastic to protect people from electric shocks. _____
5- An incomplete or broken circuit has no gaps in it. _____
6- Clamps are used to connect components in a circuit. _____
7- Plastic allows electricity to pass through it. _____