

Name:

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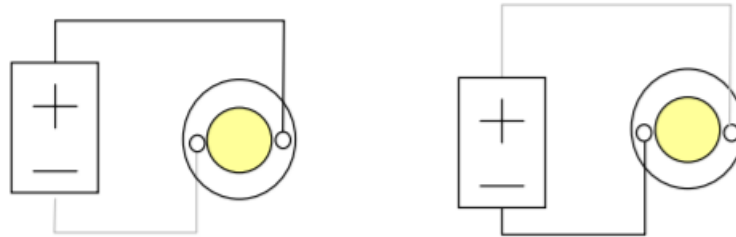
Class:

Completing the Circuit Worksheet Answers



1. In the space below, draw two ways to light the bulb. Use the symbols below.

There are four different ways to set it up to light the bulb. Switch the wires for two of the ways to light the bulb, switch the battery around for the other two.

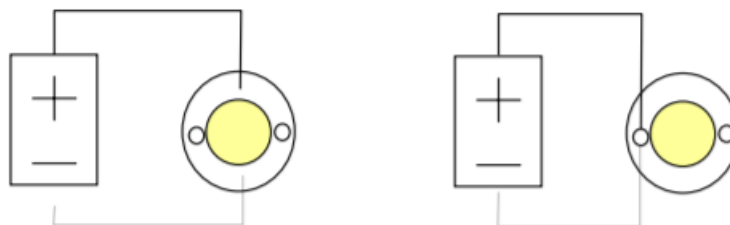


2. What do you have to do to get the bulb to light up?

To get the bulb to light, the circuit must be closed; connect the battery + side to one side of the bulb holder and the battery - side to the other side of the bulb holder.

3. Draw two ways to connect the bulb, battery and wire so that the bulb does not light. Use the symbols below.

There are *many* different ways to set it up so the light bulb does not light up. See two examples below.



4. Choose the right answer to complete the sentence:

There will be an electric current in _____ a closed _____ circuit.

- A. an open
- B. a closed**
- C. a big
- D. a long

