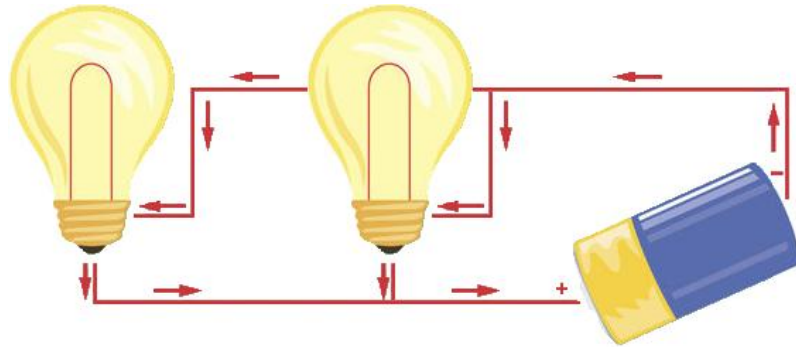


Blizzard Bag #2

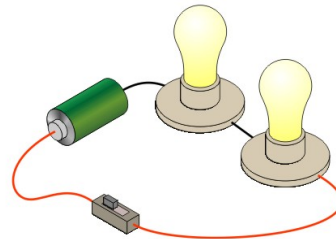
Directions: Use your science notebook and website below to answer the following questions.
<http://www.knowitall.org/nasa/simulations/electricity/electricity.html>

1. Look at the circuit below. First identify what type of circuit is being represented and what evidence you used to identify this circuit, then answer the question below.

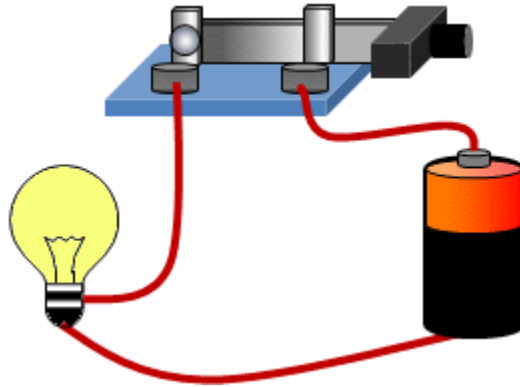
Type of circuit and evidence:



2. What will happen to the second light bulb if the first light bulb burns out?
 - A. Nothing will change.
 - B. It will also go out.
 - C. It will explode.
 - D. It will get brighter.
3. What type of circuit is demonstrated in the picture and state a fact to support your answer.



4. In the circuit in #3, what will happen to the second light bulb if the first light bulb burns out?
 - A. Nothing will change.
 - B. It will also go out.
 - C. It will explode.
 - D. It will get brighter.



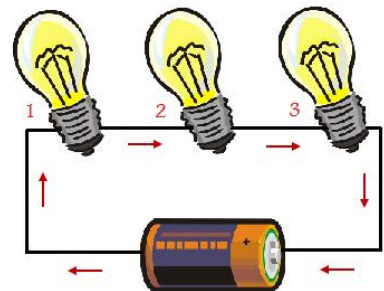
5. What is the source of potential energy for the circuit shown in the picture above?

- A. the light bulb
- B. the wires
- C. the battery
- D. The switch **D.**

6. Use the picture above to label the following vocabulary words.

Current, Voltage, Chemical energy, Thermal energy, electrical energy, and light energy.

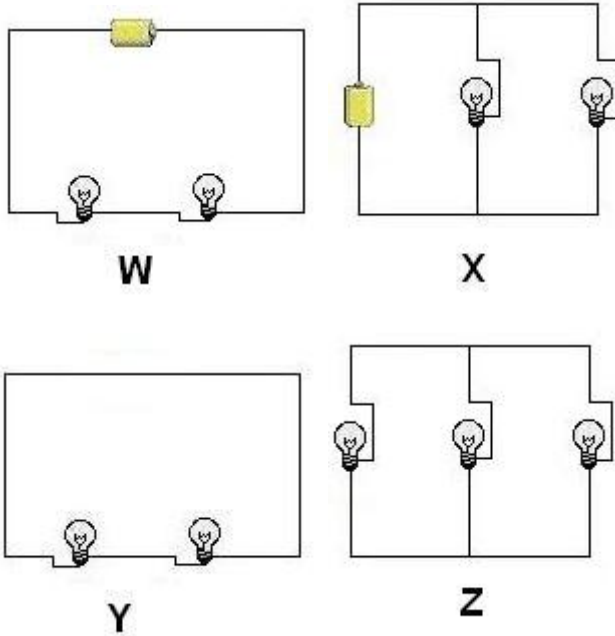
7. Examine the picture of the following circuit.



Which of the following is true of the brightness of the bulbs in this series circuit?

- A. Bulb 1 does not shine as brightly as bulbs 2 and 3.
- B. Bulb 2 does not shine as brightly as bulbs 1 and 3.
- C. All of the light bulbs shine with the same intensity.
- D. Bulb 3 does not shine as brightly as bulbs 1 and 2.

8. Look at the pictures below. Which picture shows a complete parallel circuit?



- A. W
- B. Z
- C. Y
- D. X

9. If the battery in circuit X is 1.5 volts how much voltage is flowing towards bulb 2?

- A. Almost 1.5 volts
- B. Less than .75 volts.
- C. More than 1.5 volts.
- D. No Power will travel.

