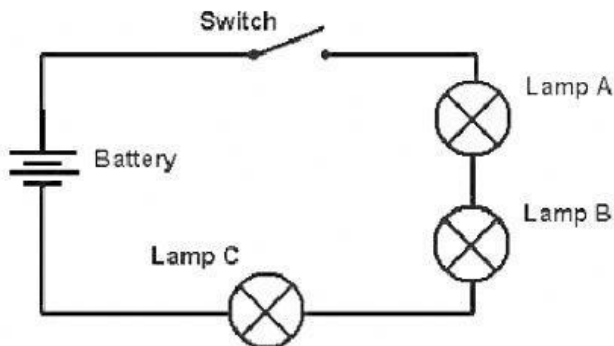


Name: \_\_\_\_\_ Date: \_\_\_\_\_ P: \_\_\_\_\_

## Will it Work?

Look at Circuit 1.



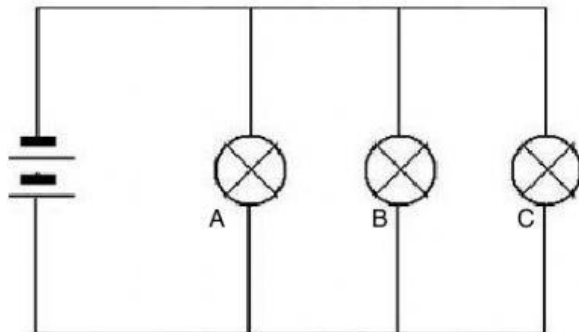
1. Is it a series or a parallel circuit? \_\_\_\_\_

2. In its current condition, with the bulbs work? Why?  
\_\_\_\_\_

3. The switch is now CLOSED. Will the bulbs work? Why?  
\_\_\_\_\_

- |   |      |          |
|---|------|----------|
| 4. The switch is CLOSED. Lamp A is broken. Lamp B and C will: | glow | not glow |
| 5. The switch is CLOSED. Lamp B is broken. Lamp A and C will: | glow | not glow |
| 6. The switch is CLOSED. Lamp C is broken. Lamp A and B will: | glow | not glow |

Look at Circuit 2:



1. Is it a series or a parallel circuit? \_\_\_\_\_

2. In its current condition, will the bulbs work? Why?  
\_\_\_\_\_

- |   |      |          |
|---|------|----------|
| 3. Lamp A is broken. Lamp B and C will: | glow | not glow |
| 4. Lamp B is broken. Lamp A and C will: | glow | not glow |
| 5. Lamp C is broken. Lamp A and B will: | glow | not glow |

## Challenge Circuits

Determine if the bulb is glowing or not by writing "on" or "off" next to the bulb.

**Example:**

