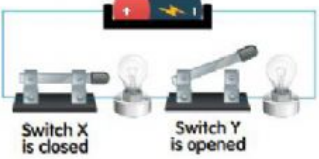



Name: \_\_\_\_\_

### Difference between series circuit and parallel circuit

|  |  |   |
|--|--|---|
|  <p style="text-align: center;">Circuit A</p> | Diagram                                    |  <p style="text-align: center;">Circuit B</p> |
| .....  | Type of circuit                            | .....   |
| Circuit A only has ..... electric path   | Number of electric paths                   | Circuit B has .....electric path.   |
| Bulb in circuit A is .....than bulbs in circuit B.   | Brightness of the bulbs                    | Bulb in circuit B is .....than bulbs in circuit A.  |
| Bulbs in circuit A ..... electric current.   | Condition                                  | The total electric current flow through each path in circuit B is .....   |
| 1. Number of .....<br>2. Number of .....   | Factors effect the brightness of the bulbs | 1. Number of .....  |
| When either switch X or switch Y is opened, the bulb .....   | Switch on & Switch off                     | When switch Y in second branches is opened, the bulb B on second branches .....   |

|   |                                  |  |
|---|----------------------------------|--|
|   |                                  | However, when the switch X is closed in first branches, the bulb on first branches .....   |
| In series circuit, when one of the switches is opened, it become ..... electric circuit, the electric current ..... | Why the bulb in do not light up? | In parallel circuit, when the switch on second branches is turned ....., the bulb cannot light up because circuit on second branches .....<br><br>However, when the switch on first branches is turned ....., the bulb A can light up because electric current can ..... through it. |