

Name:

Date:

Class:

## Series Circuit Building Worksheet

1. Draw a circuit diagram of the series circuit you constructed with two batteries (taped together as one), two light bulbs and a switch, if used.
2. What happened in the series circuit (above) when you closed the switch?
3. What happened in the series circuit when you removed one light bulb?
4. What happened in the series circuit when you removed the other light bulb?
5. What happened in the series circuit when you added a third light bulb in series?
6. What happens to the brightness of the bulbs if you increase the number of bulbs in a series circuit?
7. What happened to the brightness of the bulbs when a third battery was added in series?
8. How is opening the switch like removing a light bulb from the circuit?