

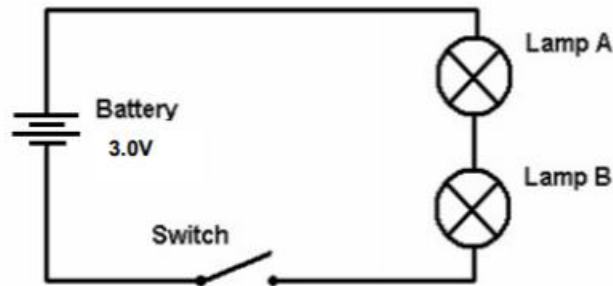
Name:

Date:

Class:

Series Circuit Building Worksheet Answers

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?
Both bulbs light up.
3. What happened in the series circuit when you removed one light bulb?
The remaining bulb did not light up.
4. What happened in the series circuit when you removed the other light bulb?
The remaining bulb did not light up.
5. What happened in the series circuit when you added a third light bulb in series?
The bulbs all got dimmer.
6. What happens to the brightness of the bulbs if you increase the number of bulbs in a series circuit?
The bulbs will all get dimmer.
7. What happened to the brightness of the bulbs when a third battery was added in series?
The bulbs all got brighter.
8. How is opening the switch like removing a light bulb from the circuit?
It breaks (opens) the electrical path (circuit), so current cannot flow, and the bulbs do not light up.