

Side by Side Worksheet Answers

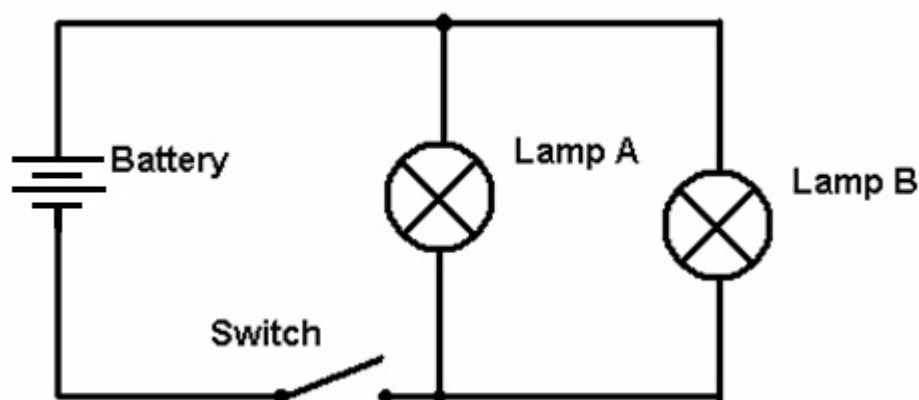


1. How many batteries do you think it will take to light up two light bulbs?

Answers will vary, since this is a student's guess/prediction.

2. Draw a circuit diagram of the circuit you constructed with one battery, a switch and two light bulbs in parallel?

Possible sketch:



3. What happened in the parallel circuit (above) when you closed the switch?

The light bulbs lit up.

4. What happened in the parallel circuit (above) when you removed one of the light bulbs?

The other light bulb remained lit.

5. What happened in the parallel circuit (above) when you removed the other light bulb?

The other light bulb remained lit.

6. What happened to the brightness of the first two bulbs when you added a third bulb in parallel?

The brightness of the first two bulbs remained the same.

7. What happened to the brightness of the bulbs when you added bulbs in a parallel circuit?

When you add bulbs in a parallel circuit, the brightness of each bulb stays the same.