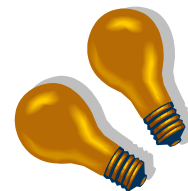


## Side by Side Worksheet Answers

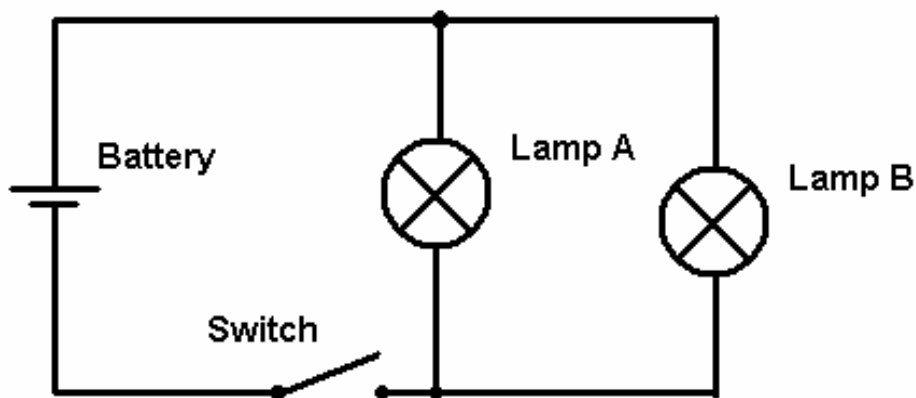


1. How many batteries do you think it will take to light up two light bulbs?

**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.**