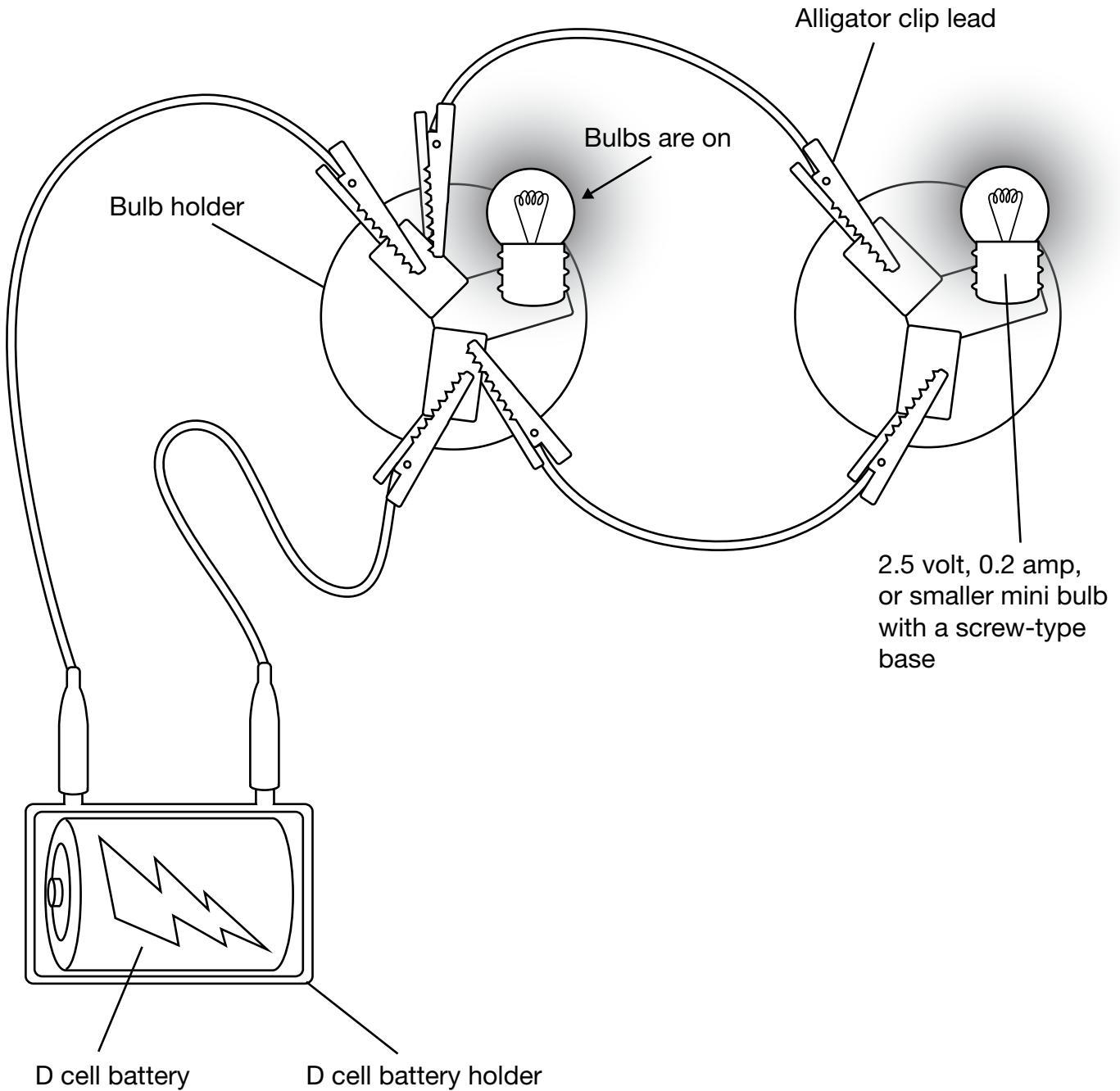


How to Build a Parallel Circuit

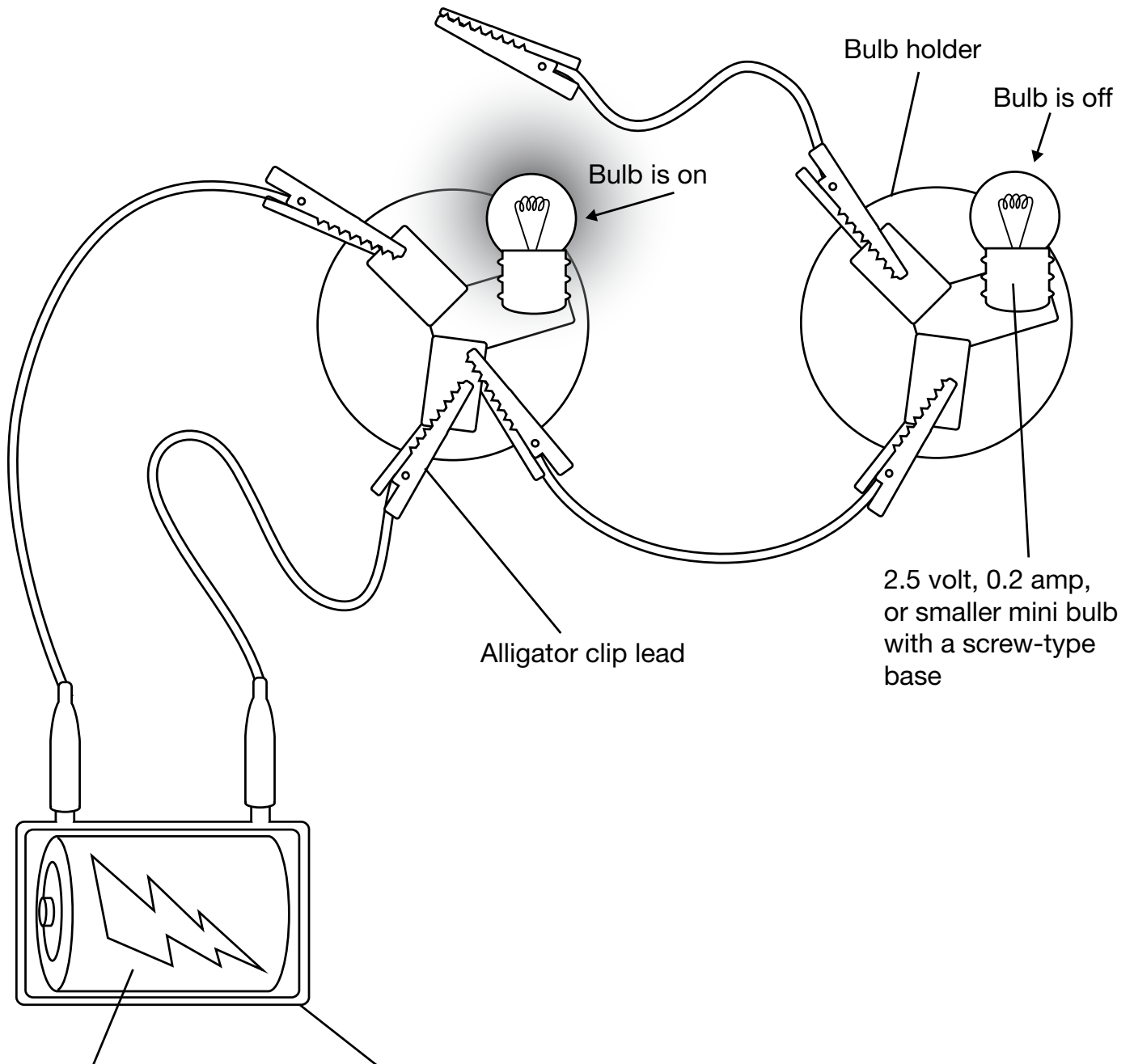
Follow the instructions below to build a parallel circuit.

Both bulbs lit



How to Build a Parallel Circuit, continued

One bulb lit



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How to Build a Parallel Circuit, continued

Materials:

- 1 D cell battery holder
- 1 D cell battery
- 2 Bulb holders
- 2 2.5 volt, 0.2 amp, or smaller bulb with a screw-type base
- 4 Alligator clip leads

- ➊ Place the battery in the battery holder with the negative end of the battery against the side with the spring.
- ➋ Carefully twist a bulb into each bulb holder.
- ➌ Connect one end of two leads to each of the battery terminals; two on the negative terminal and two on the positive terminal.
- ➍ Connect the end of one lead connected to the positive terminal and one lead connected to the negative terminal to two terminals on one of the bulb holders. The bulb should light.
- ➎ Connect the ends of the other two leads to the two terminals on the other bulb holder in the same way. The second bulb should light.
- ➏ If all connections are correct, both bulbs will light. One bulb will remain lit if you remove one connection anywhere in the circuit.