Make your own 9V battery snap

For projects using 9V batteries, it is possible to buy a "snap" that makes connections to the battery and has wires for you to connect to to your circuit. They cost around $0.50 to $1, however, so if you want to make your own, here's how.

Commercially available 9V battery snap
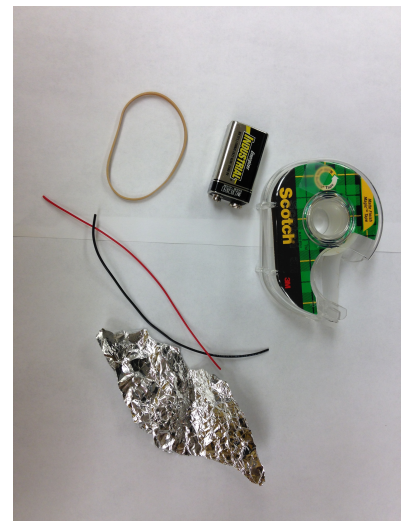

Materials:
Two pieces of hook-up wire (example here is 24 AWG)
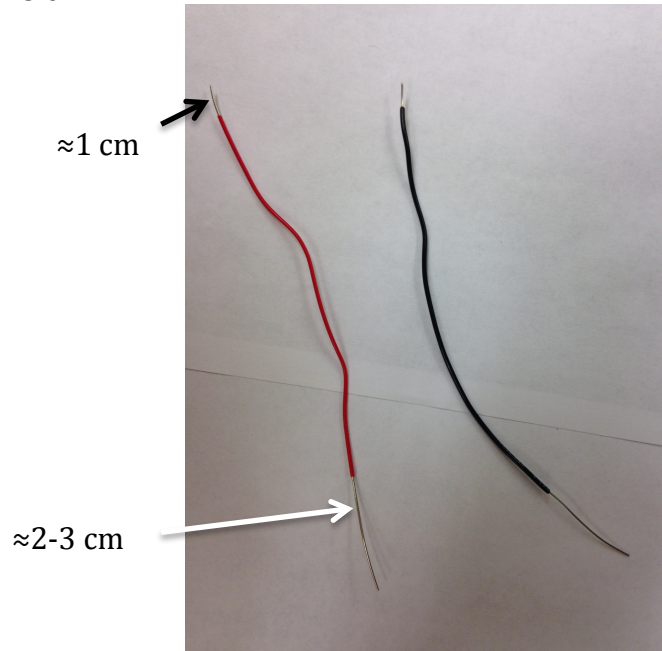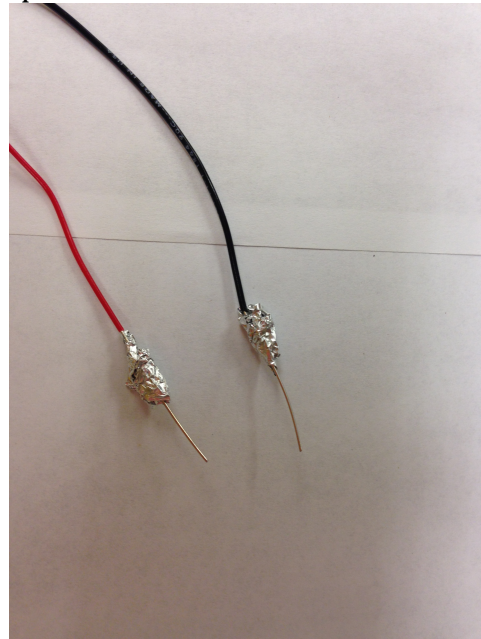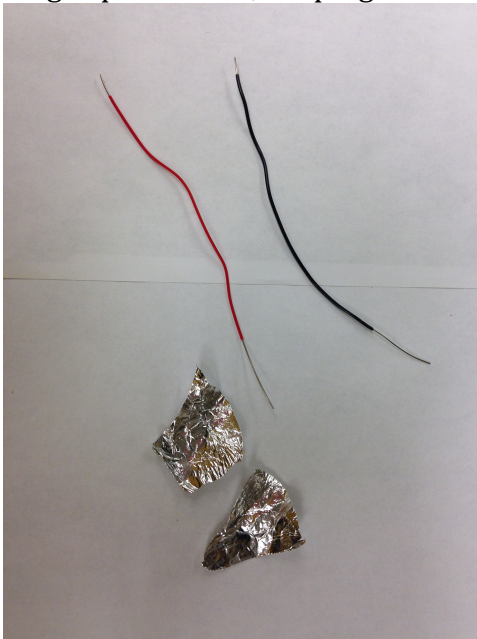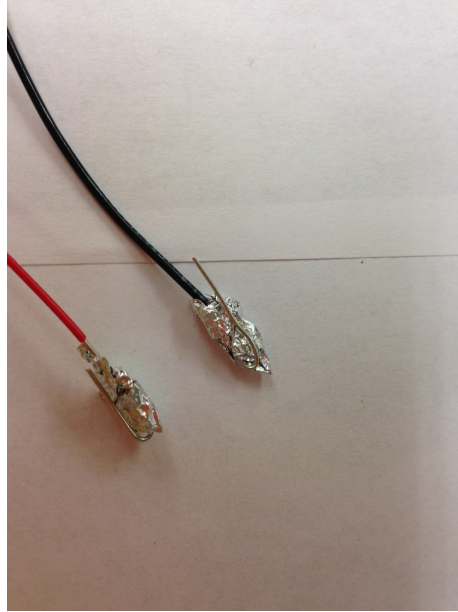Small piece of aluminum foil
Tape
Rubber band
9V battery

Instructions:

1) Strip the insulation from the ends of the wires. On one end, strip about 1 cm, on the other end 2-3 cm.

≈1 cm

≈2-3 cm
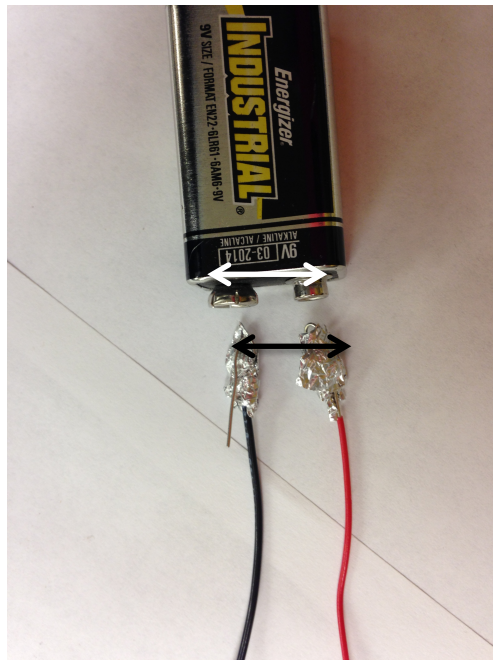
2. Tear two small pieces of aluminum foil (≈ 1 cm²). Crumple each piece around the long exposed wire, keeping the wire end exposed:
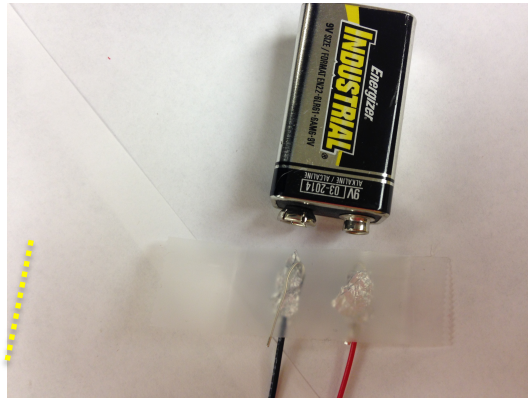
3. Bend the exposed wire back over the foil. This keeps the wire from slideing out of the foil
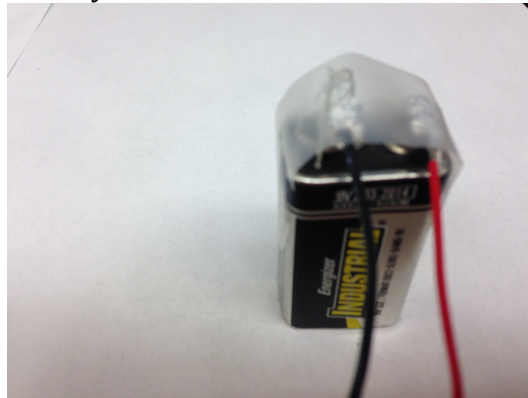
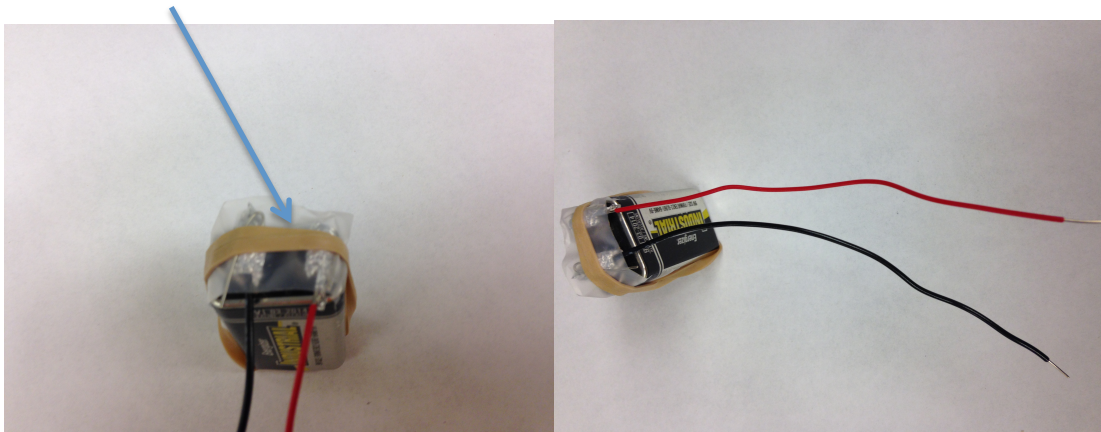4. Use the battery to set the spacing between the wires.

5. Put a piece of tape across the wires, making sure to keep the spacing the same and do not let the foil from one wire touch the foil from the other wire

6. Tape the snap to the battery. Make sure the pieces of foil touch the battery terminals, and make sure they don't touch each other!

7. Use a rubber band to keep things in place and also to apply a little pressure.

Connect to your circuit and enjoy!