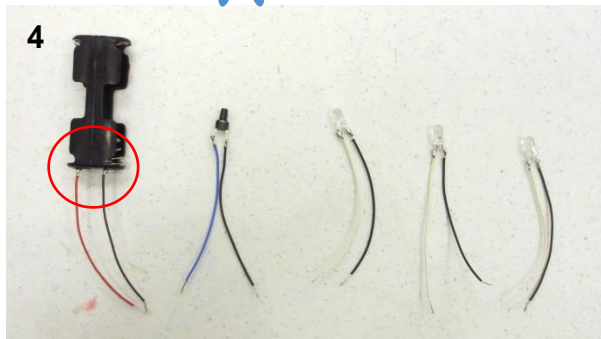
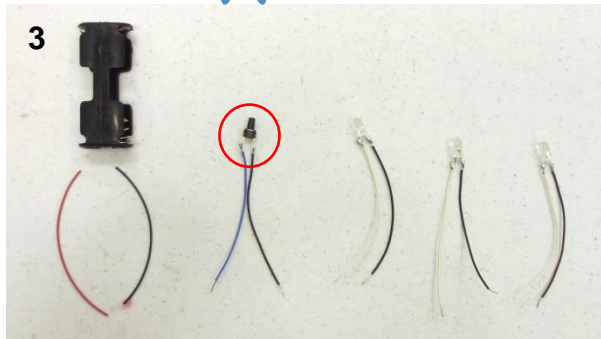
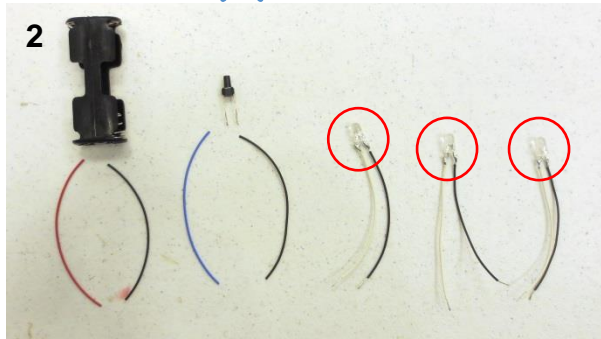
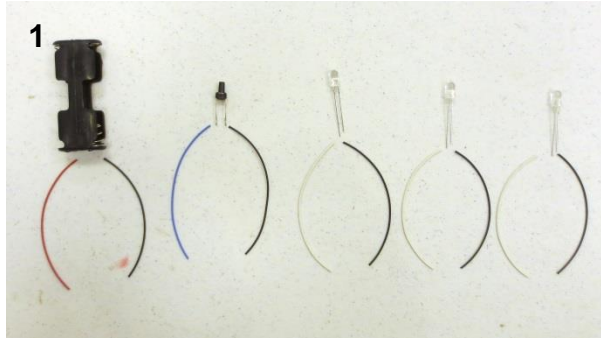
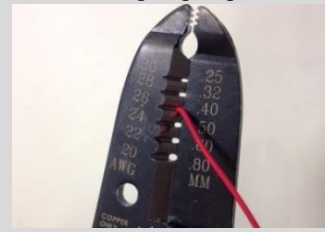


IDIN Skill Builder: Smart Light Participant Guide



Find the right gauge.



Twist and pull gently. The plastic coating should slide off easily.



Double check the result.

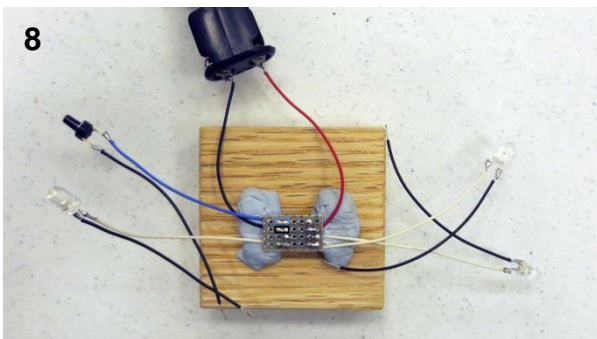
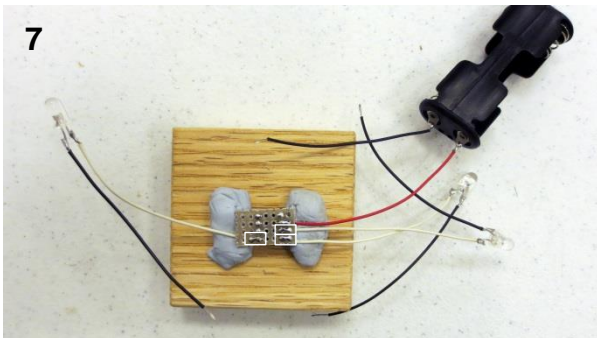
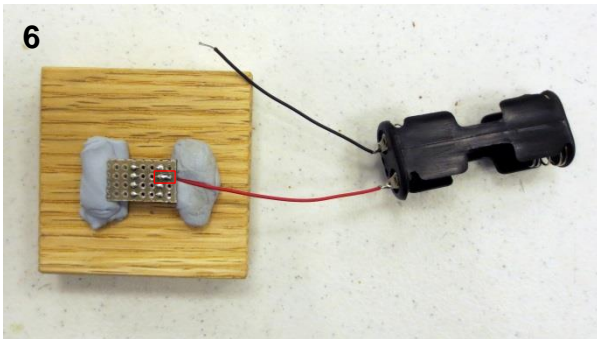
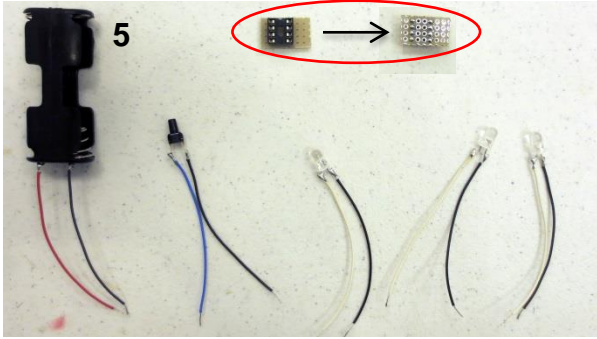


Create a mechanical connection in addition to the electrical connection. Hook and twist the two ends together

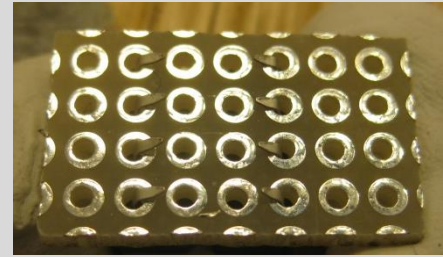


Heat the components first. Apply solder to the components, rather than the iron. Wait for the solder to flow across the metal.





Secure the object to the board. Create a mechanical connection to reinforce the electrical connection.



Apply the right amount of solder, just enough to fill the hole.



Too much solder.

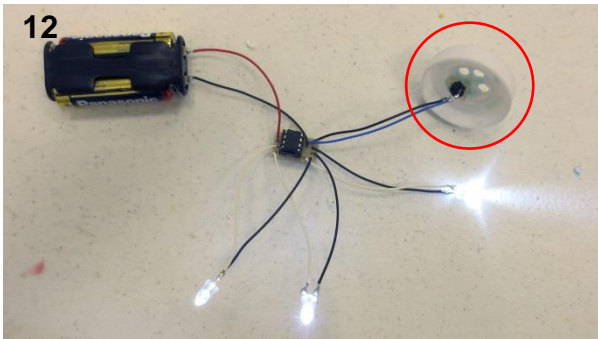
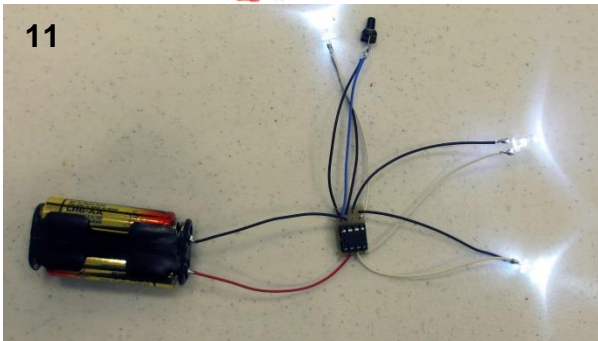
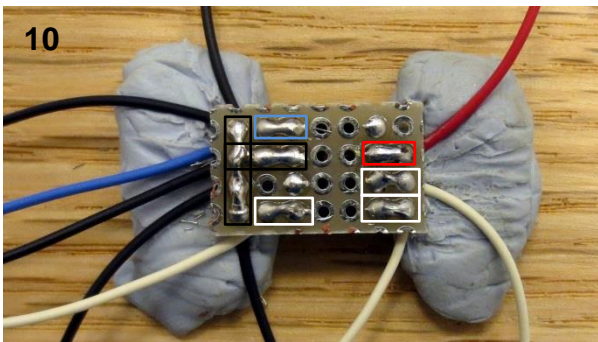
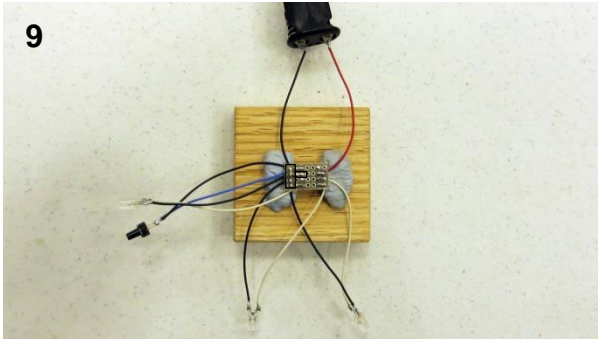


Too little solder.



Too much heat.





Mount the item securely.



Keep the drill perpendicular to the drilling surface. Apply pressure and twist.



Use the drill to clean the edges of the hole.



