

PHET Lab: Circuit Construction Kit: DC

1. Go to this website: https://phet.colorado.edu/sims/html/circuit-construction-kit-dc/latest/circuit-construction-kit-dc_en.html
2. Open the phET simulator by clicking “play”
3. Click on “Intro”
4. Find a way to make a single light bulb light up with as FEW parts hooked up as possible. When electricity flows through wires and makes something work, like a light bulb, it is called a circuit. Sketch your circuit below:

5. Make a gap in your circuit.
6. In the Sim, go to the box at the left and insert the following into your circuit one at a time: dollar bill, coin, paper clip, eraser, pencil, hand, dog. Find out which objects allow electricity to flow and fill in the data table:

Objects that allow electricity to flow (conductors)	Objects that do NOT allow electricity to flow (insulators)

7. What do the conductors have in common?

8. What do the insulators have in common?