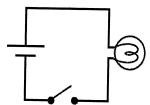


In the Lab

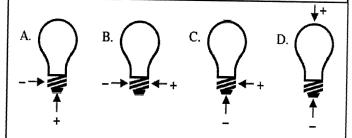
 Build the following circuit, being sure to connect all components (parts) with wires. Make sure it works.



- 2) Reverse the direction of the battery. Does the light still work?
- 3) Remove the switch. Touch the two wires between the light bulb and battery together to be sure the light still turns on.
- 4) Use these two wires as probes to test which of the following are conductors (C) or insulators (I).

Paper	Plastic	Water
A Penny	Cloth	Salt Water
Paperclip	Wood	Sugar Water
Glass	A Dime	Rubber

Using only a battery, two wires, and a light bulb (no holder), make the light bulb light. Which of the following diagrams will light up the light bulb?



What two parts of a light bulb must be touched to make the light bulb light up?

When the light bulb lights up, is this a closed or open circuit?

What does this mean about the inside of the light bulb?

When the light bulb lights up, what types of energy are used and created?