



# Senior Activity Sheet 3

Name: .....

## Electrical Conductors and Insulators

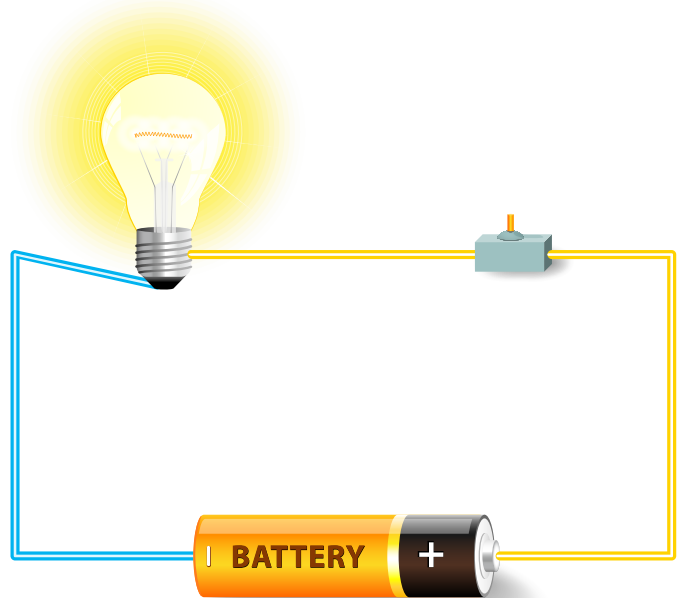
**Electrical conductor** a material which allows electricity to flow through.

**Electrical insulator** a material which does not allow electricity to flow through or which slows the flow of electricity.

### Investigation

**You will need:** A bulb, battery, 3 wires, a selection of items made from different materials e.g. paper, a plastic spoon, a metal spoon, paper clips, a rubber band, a wooden ruler, a coin, a nail, a pair of glasses, a cloth, a stone.

1. Set up a circuit as shown below.
2. Before you test each item in your circuit, predict and write whether you think it is an insulator or conductor.
3. Then test each item by touching the free end of both wires A and B to it. What happens? Write your observations.
4. Compare your predictions with the results.



Object	Material What is the object made of?	Prediction	Observation	Result Insulator or Conductor?