Senior Activity Sheet 3

Name:		



Electrical Conductors and Insulators

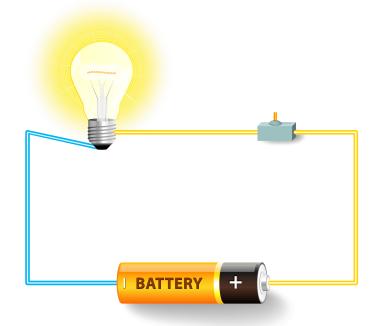
Electrical conductor a material which allows electricity to flow through.

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?