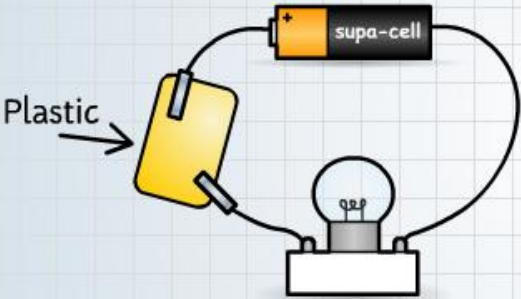


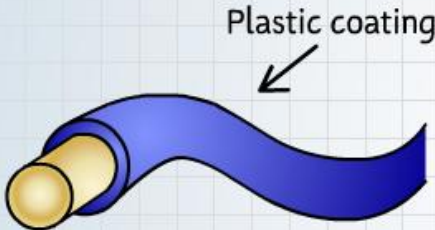
Conductors and Insulators



Other materials do not allow electricity to pass through them. We call these materials **insulators**.

There are lots of different **insulators**, such as plastic, rubber or glass. The plastic does not allow electricity through, so the bulb does not light up.

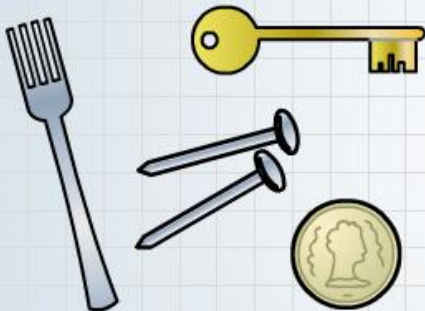
Back Next



Some wires have a plastic coating. In fact, the wires you use in class probably do.

The copper is a **conductor** and carries electricity. The plastic is an **insulator** and stops electricity from travelling into other objects that touch the wire.

Back Next



Metals like steel, copper, iron, gold and silver are very good **conductors**.

Graphite which is a type of carbon, also conducts electricity, but most **conductors** are metals. Graphite is what pencil 'lead' is made from.

Back