

CONDUCTORS AND INSULATORS

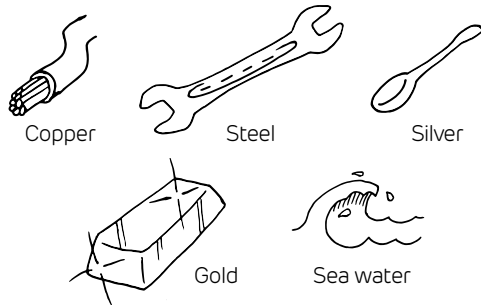


Materials are either **conductors** or **insulators**; a good conductor is a bad insulator and a bad conductor is a good insulator.

A conductor allows electricity to pass through it.

An insulator doesn't allow electricity to pass through it.

ELECTRICAL CONDUCTORS



ELECTRICAL INSULATORS



TEST IT!

Build a complete circuit and then use it to test whether a material is a conductor or an insulator.

The circuit you create will already have a good conductor in it – the metal wire that allows the electricity to flow from the battery to the other components. Think about why there's plastic around this wire.

Now make a break in the circuit. To see whether the items you're testing are conductors or insulators, connect each one to the wires either side of the gap in the circuit.

If they allow the electricity to flow through them, they're **conductors**. If they don't they're **insulators**.

For more info and inspirational resources, visit
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