



## It's electric!

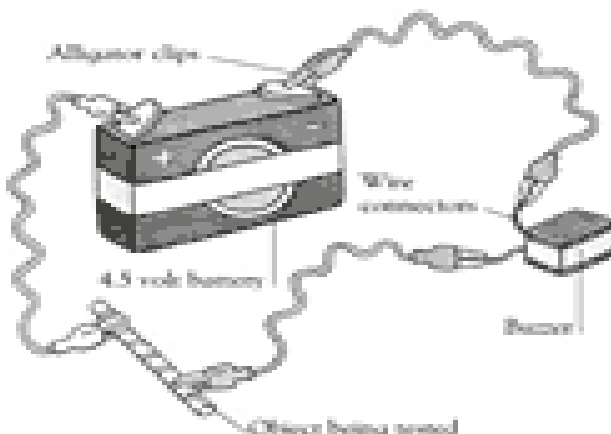
### Background knowledge

When you build an electric circuit, all of the parts of the circuit must be connected. Each part must also let electricity flow through it before the circuit will work. A working circuit can light a bulb or ring a bell, for example. Materials that allow electricity to flow through it are called *electrical conductors*. Materials that block the flow of electricity are called *electrical insulators*.

### Science activity

Which of the following objects will make the buzzer sound when they are connected to the alligator clips in the circuit? Place a check mark (✓) beside each one that makes the buzzer sound.

- PVC-coated wire not stripped at the end
- PVC-coated wire stripped at the end
- Spaghetti
- String
- Nylon fishing line
- Iron wire
- Paper drinking straw
- Wooden rod



### Science investigation

Ⓜ Take extra care - ask an adult to supervise you.

Build your own circuit with alligator clip wires, a 6 volt battery, a switch, and an object that will use electricity, such as a bulb, buzzer, or bell.

