



## It's electric!

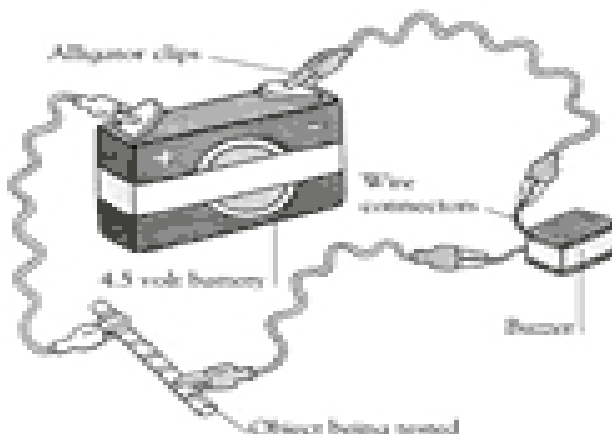
### Background knowledge

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.

