

Transformation of energy

Teachers Notes - Lesson 3 - Slide 15

This virtual experiment complements Lesson 6 of the Electricity & Safety Unit lesson book for Stage 3.

The flash activity will help evaluate and reinforce what students have learned from the practical activities on electrical circuits.

In this investigation students should have noticed:

- Both ends of the battery must be connected to the light bulb before it will glow.
- Metal connection points are called terminals.
- The metal side of the light bulb is one terminal and the metal bottom is the other.
- The top of the battery is positive (+ve) and the bottom of the battery is negative (-ve).
- The light bulb has to be connected in two places to complete the circuit.
- For the light bulb to glow there has to be a closed circuit joining the battery and the light bulb. This is called an electrical circuit.
- When there is a gap of break in the circuit the light will not glow, this is called an open circuit.