

Build and Draw a Circuit

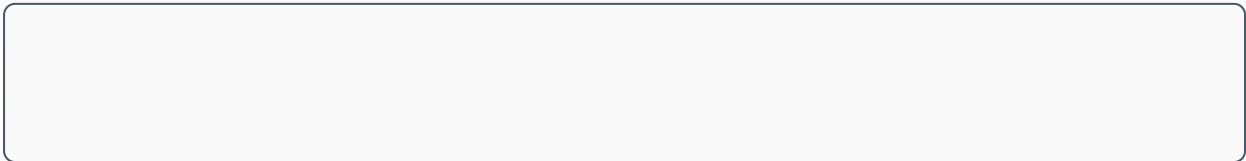
Build it, then draw it

A globe lights only when the circuit is a **complete, unbroken loop**. Energy is **transferred** around the loop and **transformed** into light at the globe.

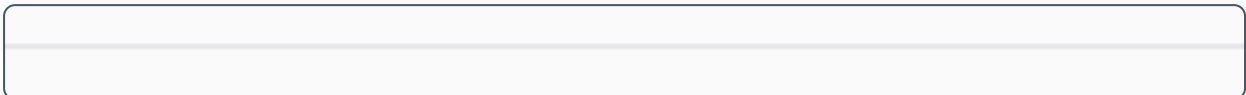
Use only the low-voltage cells provided — never mains power. Never connect the cell straight to a wire with no globe (a short circuit makes the wire hot).

1. Build a circuit that lights the globe, then show your teacher. Tick when done:

2. Draw your circuit using the **conventional symbols** (cell, wire, globe, switch). Label each component with its job.



3. Write one sentence about the **energy transformation** at the globe.



Exit ticket

Complete the sentence:

"The globe lights because the circuit is a complete _____, and at the globe electrical energy is transformed into _____."