

# Solar circuits

You will need: An \*LED (bulb) \*2 crocodile clip wires \* A PV solar panel



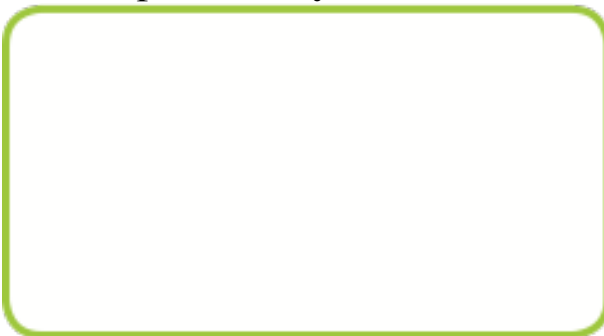
This is the symbol for a solar cell



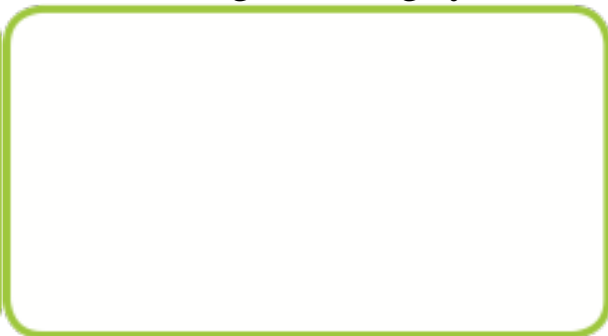
This is the symbol for an LED

1. Gently bend the 'legs' of the LED outwards.
2. Attach the longer 'leg' of the LED to the positive wire on the solar panel using a crocodile clip wire.
3. Attach the shorter 'leg' of the LED to the negative wire on the solar panel, ensuring the crocodile clips do not touch. (Note: the LED will not work if it is attached the other way round)
4. Place the solar panel in direct sunlight or close to a desk lamp and see the LED light up!

Draw a picture of your circuit.



Draw a diagram using symbols.



When you tested your circuit, what happened to the brightness of the LED when you moved it further towards the light or further away from it? Describe what you saw.