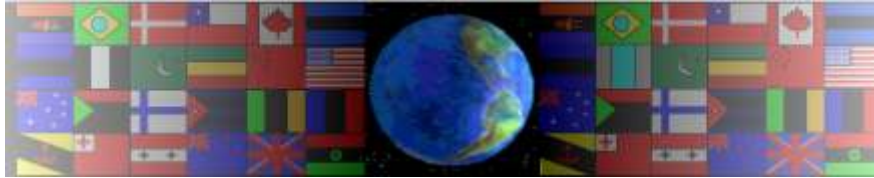


# LIGHT SENSORS

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On behalf of The World Association of Technology Teachers

## W.A.T.T.



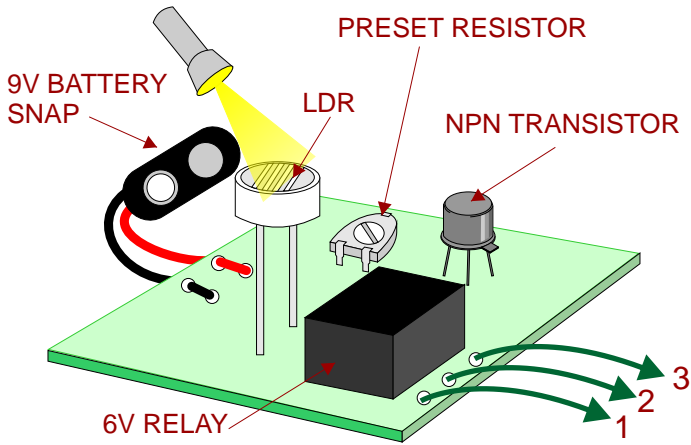
World Association of Technology Teachers

This exercise can be printed and used by teachers and students. It is recommended that you view the website ([www.technologystudent.com](http://www.technologystudent.com)) before attempting the design sheet .

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# MAKING A LIGHT / DARK SENSOR






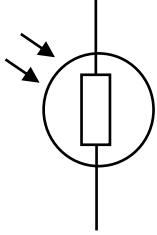

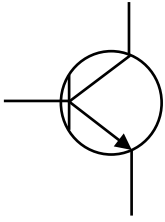

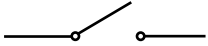
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Opposite is a simple light/ dark sensor. This can be connected as an input or switch to another circuit. The sensors has three green wires (1, 2 and 3). Wire 2 should always be connected to one of the inputs. If wire 1 is also connected then the sensor acts as a dark sensor. If wires 2 and 3 are connected to the inputs then sensor operates as a light sensor.

1. When are light sensors used? \_\_\_\_\_

3. Complete the table below by writing some details about the components used in the light/dark sensor circuit.

PICTURE	SYMBOL	COMPONENT	DETAILS
		RELAY	
		RESISTOR	
		LIGHT DEPENDENT RESISTOR (LDR)	
		TRANSISTOR	
		SWITCH	