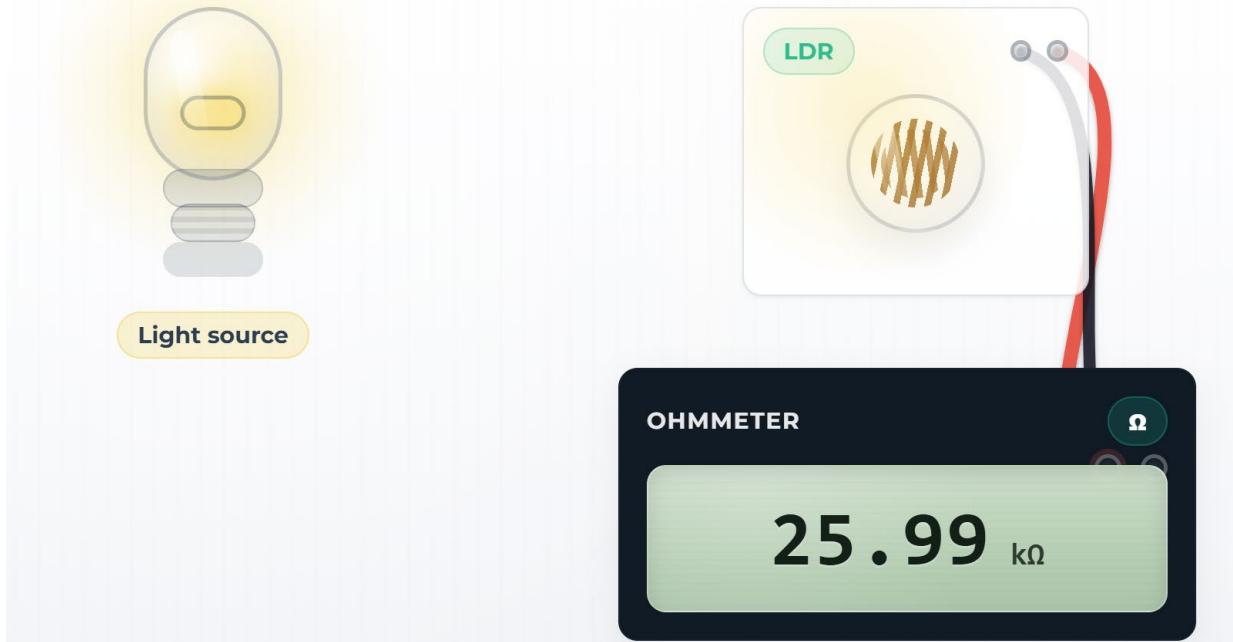


## LDR: Light level and Resistance

*Aim:* You are investigating how light level affects the resistance of an LDR



*Method:*

1. Select a light level (%) in the control panel.
2. Record the reading from the ohmmeter.
3. Change the light level and record again.
4. Select a wide range of light level values to record at least 7 values.

*Results:*

| Light Level<br>(%) | Resistance<br>(kΩ) |
|--------------------|--------------------|
|                    |                    |
|                    |                    |
|                    |                    |
|                    |                    |
|                    |                    |
|                    |                    |
|                    |                    |

*Analysis:*

Plot a line graph to show your results. Plot the **Light Level** on the horizontal axis and the **Resistance** on the vertical axis.

What is the relationship between light level and resistance of the LDR?