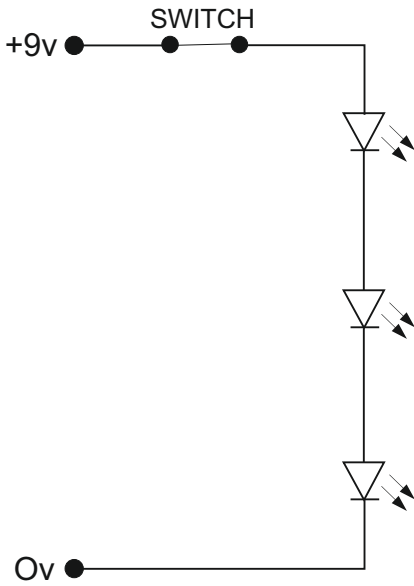


# CIRCUITS IN SERIES

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**HELPFUL LINK:** <https://technologystudent.com/elec1/srcirc1.htm>



1. The circuit seen opposite has its components arranged one after another. What is this type of circuit known as? Underline the correct answer.

FOLLOW ON CIRCUIT

STAGE BY STAGE

PARALLEL CIRCUIT

SERIES CIRCUIT

Explain your choice of answer.

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2. If another LED is added what will happen to the intensity/brightness of each LED?

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3. What will happen to the circuit if one of the LEDs fails?

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4. Name the type of switch you would use in the circuit and explain your choice.

SWITCH NAME:

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5. In the space below sketch your choice of switch and draw its symbol.

SWITCH SKETCH

SWITCH SYMBOL

6. Design a simple series circuit using circuit simulation software such as Circuit Wizard. Test the circuit and convert it to a PCB, on screen,