Circuit Puzzles

Predict whether each circuit will light all the LEDs. Then build the circuits. If the circuit doesn't work make changes! Add or remove copper tape. Add more or different LEDs.



tightly wound leg as positive, and the loosely wound leg as negative. negative, check each LED before placing it in your circuit. In this activity the picture shows the LEDs have positive and negative legs. Typically the longer leg is positive and the shorter leg is



1.) Will all three LEDs light?

Predict:

Will all three LEDs light?

Predict:

- 3.) Will all three LEDs light?
- Predict:
- ALL? TWO? ONE? NONE?

ALL? TWO? ONE? NONE?

- 4.) Will all four LEDs light?
- Predict:
- ALL? THREE? TWO? ONE? NONE?

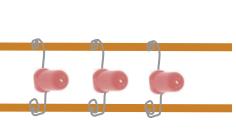
What actually happens?

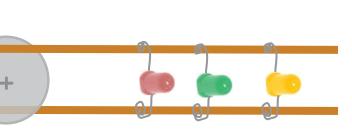
ALL? TWO? ONE? NONE?

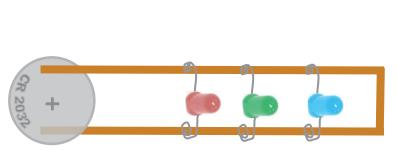
What actually happens?

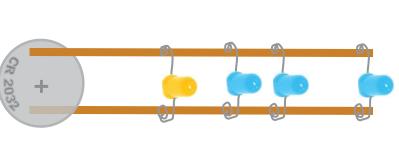
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