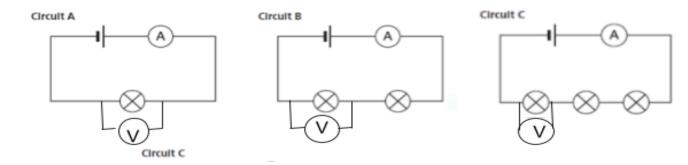
Build the Circuits A, B and C

Take the ammeter and voltmeter readings and complete the table below.



| | Ammeter reading A | Voltmeter reading V | Resistance (Ω) |
|-----------|-------------------|---------------------|-------------------------|
| Circuit A | | | |
| Circuit B | | | |
| Circuit C | | | |

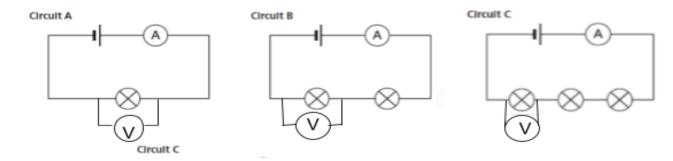
QUESTIONS:

- 1. What happened to the brightness of each bulb as more bulbs were added?
- 2. What happened to the current flowing in the circuit as more bulbs were added?
- 3. Can you explain why this happened to the current? **Use the word resistance in your answer.**

Extension: Can you explain why a bulb has resistance? (Use ideas about collisions in your explanation.)

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