QUEBEC SCIENCE AND TECHNOLOGY, SECONDARY IV · UNIT C

Material World - Electricity, Electromagnetism, Fluids, Forces and Motion, and Energy — Practice Test

Quebec Science and Technology, Secondary IV • 10 questions

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **In a circuit diagram a long line and a short line together represent a**

- A resistor
- B switch
- C cell
- D bulb

Understand It with Pulse | Flag a mistake

2 **In a parallel circuit the voltage across each branch is the**

A divided equally

B same

C zero

D doubled

Understand It with Pulse | Flag a mistake

3 **In a series circuit the current is 2 amperes everywhere. A second resistor carries, in amperes, a current of**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **In a series circuit the current is the**

- A same everywhere
- B largest at the start
- C smallest at the end
- D zero after each bulb

Understand It with Pulse | Flag a mistake

5 **In an electrical device the law of conservation of energy states that energy cannot be created or**

- A destroyed
- B measured
- C stored
- D transferred

Understand It with Pulse | Flag a mistake

6 **Inside a solenoid the magnetic field is strongest and most**

- A absent
- B reversed
- C uniform
- D scattered

Understand It with Pulse | Flag a mistake

7 **Like electric charges**

- A attract each other
- B cancel each other
- C ignore each other
- D repel each other

Understand It with Pulse | Flag a mistake

8 **Ohm law states that voltage equals current times**

A power

B charge

C resistance

D energy

Understand It with Pulse | Flag a mistake

9 **Power is the rate of transfer of**

A energy

B charge

C resistance

D current

Understand It with Pulse | Flag a mistake

10 **Static electricity is an imbalance of electric**

A mass

B heat

C charge

D light

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	C	**5.**	A	**9.**	A
2.	B	**6.**	C	**10.**	C
3.	2	**7.**	D		
4.	A	**8.**	C		

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