QUEBEC SCIENCE AND TECHNOLOGY, SECONDARY IV · UNIT C · 5 QUESTIONS

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

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

Small cylindrical resistor with coloured bands on a green circuit board, large in frame. A current of 5 amperes flows through a resistor of 6 ohms. The voltage, in volts, is



ANSWER

Understand It with Pulse

Flag a mistake

2 **A device operates at 20 volts with a current of 2 amperes. Its electrical power, in watts, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A voltage of 24 volts is applied across a resistor of 8 ohms. The current, in amperes, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Electromagnetic induction produces a current when a magnetic field through a coil**

A is steady

B is absent

C is frozen

D changes

Understand It with Pulse | Flag a mistake

5

A current of 6 amperes flows through a resistor of 2 ohms. The voltage, in volts, is

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 30
2. 40
3. 3
4. D
5. 12

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