ONTARIO PHYSICS, GRADE 11, UNIVERSITY PREPARATION (SPH3U) · UNIT D

Waves, Sound, and Electricity and Magnetism — Practice Test

Ontario Physics, Grade 11, University Preparation (SPH3U) • 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 **Larger amplitude sound is heard as**

- A higher pitch
- B lower pitch
- C faster sound
- D louder sound

Understand It with Pulse | Flag a mistake

2 **In the electromagnetic spectrum, visible light has a longer wavelength than**

A ultraviolet light

B radio waves

C infrared light

D microwaves

Understand It with Pulse | Flag a mistake

3 **Which electromagnetic wave has the highest frequency?**

A Radio waves

B Gamma rays

C Microwaves

D Infrared light

Understand It with Pulse | Flag a mistake

4 **Electric current is**

A voltage only

B resistance

C flow of electric charge, usually electrons in a metal

D power

Understand It with Pulse | Flag a mistake

5 **Voltage is**

A flow of charge

B resistance to current

C power

D energy transferred per unit charge

Understand It with Pulse | Flag a mistake

6 **A voltage of 12 volts is applied across a resistor of 4 ohms. What is the current in amperes?**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A voltage of 20 volts is applied across a resistor of 5 ohms. What is the current in amperes?**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A voltage of 9 volts is applied across a resistor of 3 ohms. What is the current in amperes?**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A voltage of 24 volts is applied across a resistor of 8 ohms. What is the current in amperes?**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A current of 2 amperes flows through a resistor of 5 ohms. What is the voltage in volts across the resistor?**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

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

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