DELAWARE PHYSICS · UNIT 3 · 10 QUESTIONS

Electricity, Magnetism, and Waves — 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 **Which term is defined as follows: a wave bouncing off a surface?**

- A electric current
- B voltage
- C reflection
- D resistance

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2 **Which of the following is an example of reflection?**

A electrons moving through a wire

B a battery pushing charge around a circuit

C a thin wire resisting current

D an echo from a wall

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3 **Which statement best describes reflection?**

A reflection keeps the wave in the same medium

B current is measured in amperes

C voltage is measured in volts

D resistance is measured in ohms

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4 **Which term is defined as follows: a wave bending when it enters a new medium?**

A electric current

B voltage

C resistance

D refraction

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5 **Which of the following is an example of refraction?**

A a straw looking bent in water

B electrons moving through a wire

C a battery pushing charge around a circuit

D a thin wire resisting current

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6 **Which statement best describes refraction?**

- A current is measured in amperes
- B refraction changes wave speed and direction
- C voltage is measured in volts
- D resistance is measured in ohms

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7 **Which term is defined as follows: a wave spreading around an obstacle or through a gap?**

- A diffraction
- B electric current
- C voltage
- D resistance

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8 **Which of the following is an example of diffraction?**

A electrons moving through a wire

B sound bending around a corner

C a battery pushing charge around a circuit

D a thin wire resisting current

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9 **Which statement best describes diffraction?**

A current is measured in amperes

B voltage is measured in volts

C diffraction is stronger for longer wavelengths

D resistance is measured in ohms

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10 **Which term is defined as follows: waves combining when they meet?**

A electric current

B interference

C voltage

D resistance

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ANSWER KEY

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

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