DELAWARE PHYSICS · UNIT 3 · 25 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: the flow of electric charge?**

- A electric current
- B voltage
- C resistance
- D series circuit

Understand It with Pulse | Flag a mistake

2 **Which of the following is an example of electric current?**

A a battery pushing charge around a circuit

B electrons moving through a wire

C a thin wire resisting current

D bulbs in a single loop

Understand It with Pulse | Flag a mistake

3 **Which statement best describes electric current?**

A voltage is measured in volts

B resistance is measured in ohms

C current is measured in amperes

D in a series circuit the same current flows everywhere

Understand It with Pulse | Flag a mistake

4 **Which term is defined as follows: the energy per unit charge?**

A electric current

B voltage

C resistance

D series circuit

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

A electrons moving through a wire

B a thin wire resisting current

C a battery pushing charge around a circuit

D bulbs in a single loop

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6 **Which statement best describes voltage?**

A current is measured in amperes

B resistance is measured in ohms

C in a series circuit the same current flows everywhere

D voltage is measured in volts

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7 **Which term is defined as follows: opposition to the flow of charge?**

A electric current

B voltage

C resistance

D series circuit

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

A electrons moving through a wire

B a battery pushing charge around a circuit

C bulbs in a single loop

D a thin wire resisting current

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9 **Which statement best describes resistance?**

A resistance is measured in ohms

B current is measured in amperes

C voltage is measured in volts

D in a series circuit the same current flows everywhere

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10 **Which term is defined as follows: a circuit with one path for current?**

- A electric current
- B voltage
- C resistance
- D series circuit

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11 **Which of the following is an example of series circuit?**

- A bulbs in a single loop
- B electrons moving through a wire
- C a battery pushing charge around a circuit
- D a thin wire resisting current

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12 **Which statement best describes series circuit?**

- A current is measured in amperes
- B in a series circuit the same current flows everywhere
- C voltage is measured in volts
- D resistance is measured in ohms

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13 **Which term is defined as follows: a circuit with more than one path for current?**

- A parallel circuit
- B electric current
- C voltage
- D resistance

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14 **Which of the following is an example of parallel circuit?**

A electrons moving through a wire

B house lights on separate branches

C a battery pushing charge around a circuit

D a thin wire resisting current

Understand It with Pulse | Flag a mistake

15 **Which statement best describes parallel circuit?**

A current is measured in amperes

B voltage is measured in volts

C in a parallel circuit the voltage is the same across branches

D resistance is measured in ohms

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16 **Which term is defined as follows: the region where magnetic forces act?**

A electric current

B magnetic field

C voltage

D resistance

Understand It with Pulse | Flag a mistake

17 **Which of the following is an example of magnetic field?**

A electrons moving through a wire

B a battery pushing charge around a circuit

C the space around a magnet

D a thin wire resisting current

Understand It with Pulse | Flag a mistake

18 **Which statement best describes magnetic field?**

A current is measured in amperes

B voltage is measured in volts

C resistance is measured in ohms

D magnetic fields are shown with field lines

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19 **Which term is defined as follows: a wave of oscillating electric and magnetic fields?**

A electric current

B voltage

C electromagnetic wave

D resistance

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20 **Which of the following is an example of electromagnetic wave?**

- A electrons moving through a wire
- B a battery pushing charge around a circuit
- C a thin wire resisting current
- D visible light traveling through space

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21 **Which statement best describes electromagnetic wave?**

- A electromagnetic waves need no medium
- B current is measured in amperes
- C voltage is measured in volts
- D resistance is measured in ohms

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22 **Which term is defined as follows: the number of waves passing a point per second?**

A electric current

B voltage

C resistance

D frequency

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23 **Which of the following is an example of frequency?**

A ten waves per second

B electrons moving through a wire

C a battery pushing charge around a circuit

D a thin wire resisting current

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24 **Which statement best describes frequency?**

A current is measured in amperes

B frequency is measured in hertz

C voltage is measured in volts

D resistance is measured in ohms

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25 **Which term is defined as follows: the distance between matching points on successive waves?**

A wavelength

B electric current

C voltage

D resistance

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. B
3. C
4. B
5. C
6. D
7. C
8. D
9. A
10. D
11. A
12. B
13. A
14. B
15. C
16. B
17. C
18. D
19. C
20. D
21. A
22. D
23. A
24. B
25. A

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