NOVA SCOTIA ADVANCED PHYSICS 12 · UNIT D · 5 QUESTIONS

Fields, Circuits and Electromagnetism — 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 **A potential difference of 120 volts acts across plates 0.4 metres apart. The electric field strength, in newtons per coulomb, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A potential difference of 90 volts acts across plates 0.3 metres apart. The electric field strength, in newtons per coulomb, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Two charges attract with force 15 newtons. If one charge doubles and distance halves, the new force, in newtons, is**

ANSWER _____

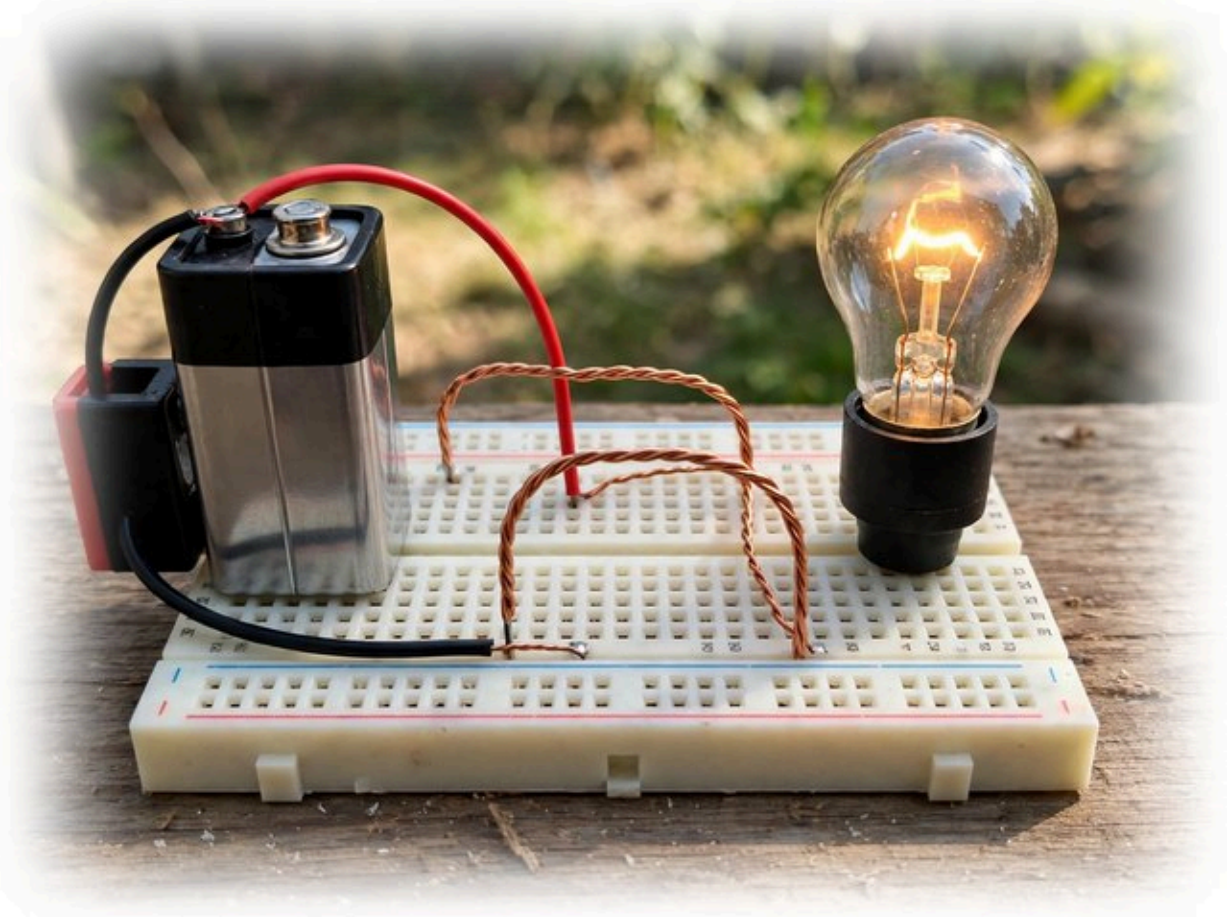
Understand It with Pulse | Flag a mistake

4 **Two charges attract with force 2.5 newtons. If one charge doubles and distance halves, the new force, in newtons, is**

ANSWER

Understand It with Pulse | Flag a mistake

5 **A simple electric circuit on a breadboard has a battery and a small lit light bulb. A 36 volt battery drives a current of 4 amperes through a circuit. The total resistance, in ohms, is**



ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 300
2. 300
3. 120
4. 20
5. 9

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