ONTARIO PHYSICS, GRADE 12, UNIVERSITY PREPARATION (SPH4U) · UNIT C · 5 QUESTIONS

Gravitational, Electric, and Magnetic Fields — 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 single antique leather-bound book with worn brown covers lies on a dark wooden table. Gravitational potential energy is negative for bound systems because work must be done to**



A Increase mass

B Separate them to infinity

C Bring masses together

D Stop motion

Understand It with Pulse | Flag a mistake

2 **Escape velocity is the minimum speed needed to escape a gravitational field without further**

A Energy

B Time

C Mass

D Propulsion

Understand It with Pulse | Flag a mistake

3 **Millikan oil drop experiment measured the charge of the**

A Neutron

B Photon

C Electron

D Proton

Understand It with Pulse | Flag a mistake

4

A Van de Graaff generator builds up charge by

A Transfer of charge by a belt

B Heating

C Magnetism

D Induction only

Understand It with Pulse | Flag a mistake

5

A conductor allows charge to move freely because it has

A Mobile electrons

B Insulating atoms

C Fixed ions

D No electrons

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. B
2. D
3. C
4. A
5. A

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