NOVA SCOTIA ADVANCED PHYSICS 11 · UNIT C · 5 QUESTIONS

Work, Energy and Power — 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 **An advanced experiment applies 60 newtons over 4 metres. The work done, in joules, is**

ANSWER

Understand It with Pulse | Flag a mistake

2 **Antique brass orrery, a mechanical model of the solar system with small planets on brass arms around a central sun, on a wooden table, warm light, no people, no readable text. A system with friction loses mechanical energy mainly as**



A thermal energy

B kinetic energy gain

C potential energy gain

D mass

Understand It with Pulse | Flag a mistake

3 **An energy bar chart for a falling object should show total energy staying**

A increasing

B decreasing to zero

C constant ignoring air resistance

D doubling

Understand It with Pulse | Flag a mistake

4 **An object of mass 10 kilograms moves at 4 metres per second. Its kinetic energy, in joules, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **An advanced experiment applies 45 newtons over 8 metres. The work done, in joules, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 240
2. A
3. C
4. 80
5. 360

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