NEWFOUNDLAND AND LABRADOR PHYSICS 2204 · UNIT C · 5 QUESTIONS

Momentum and Energy — 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 desk with a closed notebook, blue pen, calculator and coins. Think about the idea. In a closed system with no external forces, total momentum is**



A conserved

B doubled

C halved

D zero always

Understand It with Pulse | Flag a mistake

2 **Recall the idea. A 3 kg object moving at 4 m per second sticks to a stationary 3 kg object. Their common speed, in metres per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A force of 5 N acts for 6 s. The impulse, in newton seconds, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A 3 kg object changes speed by 6 m per second. The change in momentum, in kilogram metres per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5

Review the idea. Work is done only when a force causes

A displacement in the direction of the force

B heat only

C no motion

D a change in mass

Understand It with Pulse

Flag a mistake

ANSWER KEY

1. A
2. 2
3. 30
4. 18
5. A

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