PRINCE EDWARD ISLAND PHYSICS 11 · 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 **Red octagonal STOP sign on a metal pole against a pale blue sky, sign large in frame, no people. The sign face carries the word STOP (the real-world object); the image shows the eight-sided shape, not the answer word (octagon). A force of 30 newtons pushes an object 4 metres in the direction of the force. How much work is done in joules**




ANSWER _____

Understand It with Pulse | Flag a mistake

2 **An object has mass 10 kilograms and speed 2 metres per second. What is its kinetic energy in joules**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **An object has mass 20 kilograms and velocity 2 metres per second. What is its momentum in kilogram metres per second**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A force of 10 newtons pushes an object 12 metres in the direction of the force. How much work is done in joules**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **An object has mass 3 kilograms and speed 8 metres per second. What is its kinetic energy in joules**

ANSWER _____

Understand It with Pulse | Flag a mistake

# ANSWER KEY

1. 120
2. 20
3. 40
4. 120
5. 96

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