NEWFOUNDLAND AND LABRADOR PHYSICS 3204 · UNIT D

Momentum and Energy — Practice Test

Newfoundland and Labrador Physics 3204 • 10 questions

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 **Efficiency as a percentage is useful output energy divided by input energy times**

A 10

B 100

C 1000

D 1

Understand It with Pulse | Flag a mistake

2 **A falling object converts gravitational potential energy mainly into**

A thermal energy

B chemical energy

C kinetic energy

D elastic energy

Understand It with Pulse | Flag a mistake

3 **At the top of its swing, a pendulum has maximum potential energy and minimum**

A total energy

B mass

C height

D kinetic energy

Understand It with Pulse | Flag a mistake

4 **In a closed system, total energy remains**

- A constant
- B zero
- C increasing
- D decreasing

Understand It with Pulse | Flag a mistake

5 **A mass of 5 kilograms moves at 6 metres per second. Its momentum in kilogram metres per second is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A mass of 4 kilograms moves at 3 metres per second. Its kinetic energy in joules is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A force of 15 newtons acts for 4 seconds. The impulse in newton seconds is**

ANSWER

Understand It with Pulse | Flag a mistake

8 **A mass of 2 kilograms is lifted 10 metres using g = 10 . Its potential energy gain in joules is**

ANSWER

Understand It with Pulse | Flag a mistake

9 **Work of 900 joules is done in 30 seconds. The power in watts is**

ANSWER

Understand It with Pulse | Flag a mistake

10 **A force of 25 newtons moves an object 4 metres. The work in joules is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	B	**5.**	30	**9.**	30
2.	C	**6.**	18	**10.**	100
3.	D	**7.**	60		
4.	A	**8.**	200		

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