PRINCE EDWARD ISLAND PHYSICS 11 · UNIT C

Momentum and Energy — Practice Test

Prince Edward Island Physics 11 • 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 **Using g = 10 metres per second squared , an object has mass 2 kilograms and height 10 metres . What is its gravitational potential energy in joules**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A force of 50 newtons pushes an object 3 metres in the direction of the force. How much work is done in joules**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **An object has mass 8 kilograms and velocity 5 metres per second. What is its momentum in kilogram metres per second**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The law of conservation of energy says energy cannot be created or destroyed, and can only be**

A lost

B doubled

C transferred or transformed

D created in collisions

Understand It with Pulse | Flag a mistake

5 **The SI unit of energy is the**

A newton

B watt

C joule

D kilogram

Understand It with Pulse | Flag a mistake

6 **The SI unit of power is the**

A joule

B newton

C kilogram

D watt

Understand It with Pulse | Flag a mistake

7 **Work is done when a force produces**

A displacement in its direction

B no movement

C heat only

D a change in mass

Understand It with Pulse | Flag a mistake

8 **Using g = 10 metres per second squared , an object has mass 4 kilograms and height 5 metres . What is its gravitational potential energy in joules**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A force of 25 newtons pushes an object 8 metres in the direction of the force. How much work is done in joules**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Using g = 10 metres per second squared , an object has mass 20 kilograms and height 2 metres . What is its gravitational potential energy in joules**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	200	**5.**	C	**9.**	200
2.	150	**6.**	D	**10.**	400
3.	40	**7.**	A		
4.	C	**8.**	200		

© 2026 Brett Robbins. All Rights Reserved.