CONNECTICUT PHYSICS · UNIT 2 · 10 QUESTIONS

Work, Energy, and Momentum — 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 **Work is done when a force causes**

- A no motion
- B heat only
- C displacement in the direction of the force
- D a change in mass

Understand It with Pulse | Flag a mistake

2 **Kinetic energy depends on mass and**

A height

B time

C temperature

D speed

Understand It with Pulse | Flag a mistake

3 **Gravitational potential energy depends on mass, height, and**

A gravity

B speed

C time

D temperature

Understand It with Pulse | Flag a mistake

4 **Momentum is conserved in a closed system when there is no net**

A internal force

B external impulse

C friction

D gravity

Understand It with Pulse | Flag a mistake

5 **Power is the rate of doing**

A force

B momentum

C work

D energy transfer only

Understand It with Pulse | Flag a mistake

6 **An object loses 100 joules of potential energy falling, ignoring air resistance. Its gain in kinetic energy is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **An object loses 200 joules of potential energy falling, ignoring air resistance. Its gain in kinetic energy is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **An object loses 50 joules of potential energy falling, ignoring air resistance. Its gain in kinetic energy is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **An object loses 400 joules of potential energy falling, ignoring air resistance. Its gain in kinetic energy is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **An object loses 150 joules of potential energy falling, ignoring air resistance. Its gain in kinetic energy is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	C	**5.**	C	**9.**	400
2.	D	**6.**	100	**10.**	150
3.	A	**7.**	200		
4.	B	**8.**	50		

© 2026 Brett Robbins. All Rights Reserved.