CALIFORNIA PHYSICS · UNIT 2 · 5 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 **A plain wooden crate slides across a smooth concrete warehouse floor. A 15 N force pushes an object 10 m. The work is**



A 150 J

B 5 J

C 25 J

D 1.5 J

Understand It with Pulse | Flag a mistake

2 **A 3 kg object moves at 8 m/s. Its kinetic energy is**

- A 12 J
- B 24 J
- C 192 J
- D 96 J

Understand It with Pulse | Flag a mistake

3 **Use g = 10 m/s². A 10 kg object at 6 m has potential energy**

- A 600 J
- B 160 J
- C 60 J
- D 16 J

Understand It with Pulse | Flag a mistake

4 **A 8 kg object moves at 2 m/s. Its momentum is**

- **A** 10 kg m/s
- **B** 16 kg m/s
- **C** 32 kg m/s
- **D** 4 kg m/s

Understand It with Pulse | Flag a mistake

5 **A 100 N force acts for 0.5 s. The impulse is**

- **A** 99.5 N s
- **B** 50 N s
- **C** 200 N s
- **D** 20 N s

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. A
2. D
3. A
4. B
5. B

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