ONTARIO PHYSICS, GRADE 12, UNIVERSITY PREPARATION (SPH4U) · UNIT B · 5 QUESTIONS

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 done by a force perpendicular to displacement is**

- A Equal to force × distance
- B Maximum
- C Negative always
- D Zero

Understand It with Pulse | Flag a mistake

2 **A watt is equal to one joule per**

- A Metre
- B Newton
- C Second
- D Kilogram

Understand It with Pulse | Flag a mistake

3 **Small silver electric motor with cooling fins and power cable on a wooden workbench, large in frame. A motor lifting 100 newtons through 4 metres in 8 seconds does work at a power, in watts, of**



ANSWER

Understand It with Pulse | Flag a mistake

4 **Gravitational potential energy increases with height and**

- A Mass
- B Speed
- C Temperature
- D Time

Understand It with Pulse | Flag a mistake

5 **A 10 kilogram object falling from 5 metres gains kinetic energy, ignoring air resistance, in joules, of about**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. D
2. C
3. 50
4. A
5. 490

© 2026 Brett Robbins. All Rights Reserved.