WORK AND ENERGY: TRANSFORMATION AND CONSERVATION - PRACTICE TEST | NEW BRUNSWICK PHYSICS 111-112 · UNIT C · 5 QUESTIONS

Work and Energy: Transformation and Conservation — 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

Red octagonal STOP sign on a metal pole against a pale blue sky, sign large in frame, no people. The sign face carries the word STOP (the real-world object); the image shows the eight-sided shape, not the answer word (octagon). A force of 30 newtons pushes an object 6 metres in the direction of the force. The work done, in joules, is



ANSWER

Understand It with Pulse

Flag a mistake

2 **A mass of 5 kilograms is 4 metres high , with g = 10 metres per second squared . Its gravitational potential energy , in joules , is**

ANSWER

Understand It with Pulse | Flag a mistake

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

ANSWER

Understand It with Pulse | Flag a mistake

4 **A force of 60 newtons pushes an object 5 metres in the direction of the force. The work done, in joules, is**

ANSWER

Understand It with Pulse | Flag a mistake

5 **A mass of 3 kilograms is 10 metres high , with g = 10 metres per second squared . Its gravitational potential energy , in joules , is**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 180
2. 200
3. 24
4. 300
5. 300

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