NORTHWEST TERRITORIES SCIENCE 10 · UNIT C · 5 QUESTIONS

Energy Conservation and Transformation — Practice Test

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1 **A 5 kg book sits 4 m above the floor. Using g = 10 m per s squared, its gravitational potential energy, in joules, is _____**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Single small red die-cast toy car stands on a plain light wooden table, side view, large in frame. A 2 kg toy car moves at 10 m per s. Its kinetic energy, in joules, is ____**



ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Water with mass 2 kg is heated by 10 degrees. Using c = 4200 J per kg per degree, the heat absorbed, in joules, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **As a ball falls toward the ground, its**

A potential energy rises and kinetic energy falls

B potential energy falls and kinetic energy rises

C potential and kinetic energy both rise

D potential and kinetic energy both fall

Understand It with Pulse | Flag a mistake

5 **If the speed of a moving object doubles, its kinetic energy**

A doubles

B halves

C stays the same

D quadruples

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 200
2. 100
3. 84000
4. B
5. D

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