YUKON PHYSICS 11 (MPH--11) · UNIT C · 10 QUESTIONS

Energy, Work and Power — 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 pump does 150 J of work in 5 s. The power, in watts, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Work is zero when a force causes**

A. no displacement

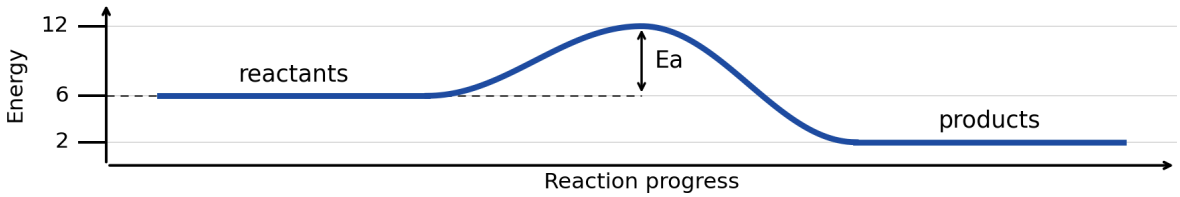
B. a large displacement

C. a fast motion

D. a slow motion

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3 **The energy diagram shows reactants at 6 units, a peak at 12 units, and products at 2 units. The activation energy, in the same units, is**



- **A** 2
- **B** 4
- **C** 6
- **D** 10

Understand It with Pulse | Flag a mistake

4 **A toaster has useful output 90 J from an input of 300 J. The efficiency, in percent, is _____**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **Power is the rate at which**

A work is done

B force is applied

C mass is lifted

D energy is stored

Understand It with Pulse | Flag a mistake

6 **A 1 kg ball drops 10 m. Using g = 9.8 m per s squared, and ignoring air resistance, the kinetic energy gained, in joules, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A pendulum bob has kinetic energy 20 J and gravitational potential energy 35 J. The total mechanical energy, in joules, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **Energy stored in fuel before it burns is mainly**

A kinetic energy

B chemical energy

C sound energy

D light energy

Understand It with Pulse | Flag a mistake

9 **A 2 kg mass is lifted 3 m. Using g = 9.8 m per s squared, the work done against gravity, in joules, is ____**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **For a swinging pendulum, kinetic energy is greatest at**

A the highest point

B the lowest point

C the turning point

D the release point

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 30
2. A
3. C
4. 30
5. A
6. 98
7. 55
8. B
9. 58.8
10. B

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