MANITOBA PHYSICS 30S · UNIT B · 10 QUESTIONS

Nature of Light — 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 mass of 10 kilograms moves at 2 metres per second. Its kinetic energy, in joules, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Use g = 10 metres per second squared . A mass of 3 kilograms at height 4 metres has gravitational potential energy , in joules , of**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A wave has frequency 40 hertz and wavelength 2 metres. Its speed, in metres per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A current of 5 amperes flows through a resistor of 6 ohms. The voltage, in volts, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **An object starts at 4 metres per second and accelerates at 2 metres per second squared for 4 seconds. Its final speed, in metres per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A neutral solution has a pH of**

A 0

B 14

C 7

D 1

Understand It with Pulse | Flag a mistake

7 **The force that pulls objects toward Earth is**

A friction

B magnetism

C inertia

D gravity

Understand It with Pulse | Flag a mistake

8 **The unit of force is the**

A newton

B joule

C watt

D pascal

Understand It with Pulse | Flag a mistake

9 **The unit of energy is the**

A newton

B joule

C watt

D volt

Understand It with Pulse | Flag a mistake

10 **The unit of power is the**

A joule

B newton

C watt

D ampere

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	20	**5.**	12	**9.**	B
2.	120	**6.**	C	**10.**	C
3.	80	**7.**	D		
4.	30	**8.**	A		

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