MANITOBA PHYSICS 30S · UNIT A · 10 QUESTIONS

Waves — 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 **Use g = 10 metres per second squared . A mass of 7 kilograms at height 4 metres has gravitational potential energy , in joules , of**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A wave has frequency 20 hertz and wavelength 2 metres. Its speed, in metres per second, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A current of 3 amperes flows through a resistor of 7 ohms. The voltage, in volts, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **An object starts at 8 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

5 **A mass of 8 kilograms accelerates at 7 metres per second squared. The net force, in newtons, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The gas plants absorb from the air for photosynthesis is**

A oxygen

B carbon dioxide

C nitrogen

D hydrogen

Understand It with Pulse | Flag a mistake

7 **The gas released by plants during photosynthesis is**

A carbon dioxide

B nitrogen

C oxygen

D hydrogen

Understand It with Pulse | Flag a mistake

8 **An acid has a pH that is**

A equal to 7

B greater than 7

C equal to 14

D less than 7

Understand It with Pulse | Flag a mistake

9

A neutral solution has a pH of

A 7

B 0

C 14

D 1

Understand It with Pulse | Flag a mistake

10

The force that pulls objects toward Earth is

A friction

B gravity

C magnetism

D inertia

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	280	**5.**	56	**9.**	A
2.	40	**6.**	B	**10.**	B
3.	21	**7.**	C		
4.	16	**8.**	D		

© 2026 Brett Robbins. All Rights Reserved.