PRINCE EDWARD ISLAND PHYSICS 11 · UNIT B

Dynamics — Practice Test

Prince Edward Island Physics 11 • 10 questions

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 **Using g = 10 metres per second squared , what is the weight in newtons of a mass of 20 kilograms**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Two forces act in opposite directions on an object, with magnitudes 60 newtons and 25 newtons. What is the magnitude of the net force in newtons**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A book on a table does not fall because the normal force**

- A is zero
- B is friction
- C balances its weight
- D is gravity only

Understand It with Pulse | Flag a mistake

4 **A free body diagram shows all the**

- A motions of an object
- B energies of an object
- C velocities of an object
- D forces acting on an object

Understand It with Pulse | Flag a mistake

5 **Weight changes with location because it depends on**

A mass only

B volume

C gravitational field strength

D density

Understand It with Pulse | Flag a mistake

6 **Weight is the force of gravity acting on a**

A mass

B volume

C density

D speed

Understand It with Pulse | Flag a mistake

7 When you push on a wall, the wall pushes back with a force that is

- A greater
- B smaller
- C zero
- D equal and opposite

Understand It with Pulse | Flag a mistake

8 Using g = 10 metres per second squared , what is the weight in newtons of a mass of 50 kilograms

ANSWER _____

Understand It with Pulse | Flag a mistake

9 Two forces act in opposite directions on an object, with magnitudes 100 newtons and 40 newtons. What is the magnitude of the net force in newtons

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Using g = 10 metres per second squared , what is the weight in newtons of a mass of 100 kilograms**

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	200	**5.**	C	**9.**	60
2.	35	**6.**	A	**10.**	1000
3.	C	**7.**	D		
4.	D	**8.**	500		

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