DYNAMICS - PRACTICE TEST | NEW BRUNSWICK PHYSICS 111-112 · UNIT B · 10 QUESTIONS

Dynamics — 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 net force acts on a mass of 12 kilograms giving acceleration 3 metres per second squared. The net force, in newtons, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Newton third law states that for every action there is an equal and opposite**

A mass

B speed

C reaction

D force only in one direction

Understand It with Pulse | Flag a mistake

3 **Static friction acts on an object that is**

A not moving

B moving fast

C falling

D floating

Understand It with Pulse | Flag a mistake

4 **The normal force acts**

A parallel to a surface

B perpendicular to a surface

C downward always

D upward always

Understand It with Pulse | Flag a mistake

5 **The unit of force is the**

A joule

B watt

C newton

D kilogram

Understand It with Pulse | Flag a mistake

6 **Weight is the force of gravity on a mass and depends on**

A gravitational field strength

B volume only

C density only

D temperature

Understand It with Pulse | Flag a mistake

7 **When two forces of 10 newtons act in opposite directions, the net force is**

- A 0 newtons
- B 20 newtons
- C 10 newtons
- D 5 newtons

Understand It with Pulse | Flag a mistake

8 **When two forces of 10 newtons act in the same direction, the net force is**

- A 0 newtons
- B 20 newtons
- C 10 newtons
- D 5 newtons

Understand It with Pulse | Flag a mistake

9 **A net force acts on a mass of 6 kilograms giving acceleration 6 metres per second squared. The net force, in newtons, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A net force acts on a mass of 15 kilograms giving acceleration 2 metres per second squared. The net force, in newtons, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	36	**5.**	C	**9.**	36
2.	C	**6.**	A	**10.**	30
3.	A	**7.**	A		
4.	B	**8.**	B		

© 2026 Brett Robbins. All Rights Reserved.