

HOW MUCH DO YOU KNOW ABOUT FORCES?

Name

Surname

Question 1

In physics, what is a force?

- A) The amount of matter an object has.
- B) An interaction that can change an object's state of motion or shape.
- C) The speed at which an object travels.

Question 2

What is the unit of measurement for force in the International System?

- A) Kilograms (kg)
- B) Newtons (N)
- C) Meters per second (m/s)

Question 3

What is the main difference between a contact force and a non-contact (at a distance) force?

- A) In contact forces, objects physically touch; in distance forces, they do not.
- B) Only contact forces can move objects.
- C) Non-contact forces do not exist on Earth.

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Question 4

Which of the following is an example of a contact force?

- A) Gravity keeping us on the ground.
- B) Friction between tires and the pavement.
- C) A magnet attracting a paperclip.

Question 5

If a skydiver falls toward the Earth, what force is pulling them without touching them?

- A) Normal Force.
- B) Gravitational Force (At a distance).
- C) Tension Force.

Question 6

When you rub a balloon on your hair and see it lift up, you are witnessing:

- A) An elastic contact force.
- B) An electrostatic distance force.
- C) An applied contact force.