

NEWTON'S LAWS

First Law

"Law of Inertia"

An object at rest or in motion stays that way unless an unbalanced force acts on it.

Second Law

An object accelerates in the same direction as the net force acting on it. It is measured by:

$$\text{Force} = \text{mass} \times \text{acceleration} \quad (F = ma)$$

or $a = F/m$

Third Law

To every action force, there is an equal and opposite reaction force.

* The Units of Force are Newton *

or "N"