

Newton's First Law of Motion:

An object at rest remains at rest and an object in motion remains in motion in a straight line at constant speed unless acted upon by an unbalanced force.

Called Inertia Law.

Newton's Second Law of Motion:

$F = ma$

For a given mass, the greater the force applied, the greater the acceleration produced. for a given force, the greater the mass of the object, the less the acceleration produced.

Stated in a different way:

For a given force, the smaller mass receives the greater acceleration.

Newton's Third Law of Motion:

For every action, there is an equal and opposite reaction.

Called the Action-Reaction Law.