

Newton's Laws of Motion

Newton's 1st Law: Balanced forces cause a constant velocity; unbalanced forces cause a changing velocity. AKA - An object at rest remains at rest, an object in motion remains in motion, unless acted upon by an unbalanced force.

Newton's 2nd Law: Total force = $m \cdot a$

Newton's 3rd Law: Forces always come in pairs; for every force, there is an equal and opposite force.