Newton’s Laws of Motion and Projectiles Key Terms

Force| Any push or pull on an object

Inertia| The tendency of an object to resist changes in its motion

Newton’s First Law of Motion| An object at rest or in motion will remain unless an unbalanced force acts on the object

Newton’s Second Law of Motion| The net force on an object is equal to the mass times the acceleration

Newton’s Third Law of Motion| For every action, there is an equal and opposite reaction

Net force| The sum of all the forces acting on an object

Equilibrium| The condition in which the net force on an object is zero

Projectile| Any object that is under the sole influence of gravity

Trajectory| The path a projectile follows through space as a function of time

Terminal Velocity| The maximum velocity reached by a falling object