

Potential & Kinetic Energy

Potential Energy – energy that is stored in a system; energy of position or stored energy

Kinetic Energy – Energy of motion (an increase in speed = increase of kinetic energy)

Conservation of Energy – Energy cannot be created nor destroyed; it changes from one form to another

Energy Transformation – the change of energy from one form to another

Changes in Force & Motion

Position – the point or area occupied by a physical object

Direction – the path that an object is moving or facing

Speed – the measurement of the rate of change of position with respect to time

Force – a push or pull that changes the motion or position of an object

Motion – a change in an object's position, direction, or location

Balanced Forces – forces on an object that do not change the motion of the object

Unbalanced Forces – forces on an object that cause change in the motion of the object

Average Speed – average distance covered by an object per unit time

Line Graph – a graph in which the data are represented by points connected by one or more lines (shows change over time)

A-axis – the horizontal line with labels on a coordinate grid

Y-axis – the vertical line with labels on a coordinate grid

Meter – the basic SI unit of length (base unit of length)

Second – the basic SI unit of time (base unit of time)