

Word of the Day Word List

Physical Science Words

Compound – pure substance composed of two or more elements chemically combined

Element – A pure substance with one type of atom

Chemical Properties – characteristic of a substance that determines how something interacts with other substances

Density – An objects mass divided by its volume

Mass – Amount of matter that an object has

Condensation – Change from the gas phase to the liquid phase

Evaporation – Vaporization of a liquid – occurs only on the surface of a liquid

Sublimation – Change from a solid phase to a gas phase without passing through the liquid phase

Vaporization – Change from a liquid phase to the gas phase

Burning – Chemical change in which the substance is decomposed and releases heat

Dissolving – A physical change in which particles of a substance are separated by water particles

Phase Change – Change in state of matter

Rusting – Chemical change in which a metal reacts with oxygen to form a different compound

Conservation of Matter – Matter can neither be created nor destroyed in physical or chemical changes

Periodic Table – An arrangement tool of known elements

Constant Speed – Rate of motion where the same amount of distance is traveled in the same amount of time – $\text{Speed} = \text{distance}/\text{time}$

Velocity – Rate of change of position of an object in a specific direction

Balanced Forces – Two equal forces that act upon an object in opposite directions

Unbalanced Forces – Two or more forces pushing or pulling against each other that results in a change in the objects motion

Gravitational Force – Force of attraction between all masses in the universe

Wave (mechanical) – Transfer of energy that spreads away from the source (seismic, sound, water)

Medium – material that energy can transfer through

Absorption – Transfer of light energy into an object though which it is passing

Refraction – Bending of the path of light when it passes from one medium to another

Scattering – Light reflected in all directions by a rough surface

Transmission – to pass through air or some other medium

Energy – The ability to do work

Law of Conservation of Energy – Energy can neither be created nor destroyed in chemical and physical changes