

**K-12 Science Vocabulary
(revised June, 2012)**

K	1	2	3	4	5	6	7
Above	Basic needs	Absorb	Canyons	Absorb	Air pressure	abiotic	Acceleration
Attributes	Clay	Aging	Caverns	Attract	Anemometer	atom	Air Mass
Below	Compare	Air temperature	Constellations	Axis	Aquatic	biotic	Asexual
Between	Earth	Appearance	Energy	Beneficial	Atmosphere	conduction	Cell Membrane
Bottom	Explain	Columns of air	External	Charge	Barometer	conductor	Cell Wall
Changes	Force	Eardrum	Freshwater	Cleavage	Circulatory System	convection	Chloroplasts
Characteristics	Height	East	Function	Earthquake	Condensation	convergent boundary	Conduction
Color	Improve	Endangered	Gas	Electricity	Conduction	density	Convection
Compare	Magnet	Extinction	Glacier	Environment	Consumers	divergent boundary	Coriolis Effect
Describe	Minerals	Life cycle	Gravity	Erosion	Convection	eclipse	Cytoplasm
Differences	Movement	Liquids	Humus	Fossil	Decomposers	electromagnetic spectrum	Dominant Trait
Explain	Pattern	North	Internal	Habitat	Digestive System	element	Energy
Fall	Plant	Observe	Islands	Hardness	Ecosystems	energy	Eukaryote
Front	Protect	Organism	Landforms	Igneous	Estuary	food chain	Fertilization
Growth	Recycle	Pitch	Mass	Inherited behavior	Evaporation	food web	Front (Warm, Cold)
Needs	Reuse	Pollution	Muscular System	Instinct	Food chain	insulator	Genes
Non-living	Sand	Rain gauge	Nerves	Landslide	Food web	limiting factor	Genotype
Rough	Shelter	Reflect	Nutrients	Learned behavior	Friction	lithosphere	Humidity
Seasons	Soil	Reproduce	Produce	Magnetism	Genetics	mass	Inertia
Shape	Space	Resemble	Properties	Metamorphic	Grasslands	matter	Mechanical Advantage
Shiny	Texture	Solids	Reproduce	Minerals	Inherited traits	medium	Meiosis
Size	Top soil	South	Revolves	North poles	Mass	organism	Mitochondria
Smooth	Variety	Thermometer	Rotate	Orbit	Momentum	photosynthesis	Mitosis
Sort		Variation	Saltwater	Organism	Nervous System	radiation	Nucleus
Spring		Vibrate	Seas	Population	Precipitation	respiration	Ozone
Summer		Vocal chords	Skeletal System	Reflect	Producers	revolution	Phenotype
Weather		Water cycle	Solar System	Repel	Radiation	solubility	Position
Winter		Weather vane	Speed	Rotation	Respiratory System	subduction	Prokaryote
Zig-zag		West	Survival	Sedimentary	Runoff	tectonic plate	Punnett Square
		Wind speed	Tissues	Solar energy	Salt marsh	transform boundary	Radiation
			Valleys	South poles	Single-celled	transpiration	Recessive Trait
				Streak	Terrestrial	tropism	Sexual
				Volcanic eruption	Transfer	vibration	Speed

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				Weathering	Weight	visible light	Velocity
					Wind vane	volume	Work

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8	Physical Science	Biology	Physics	Earth/Environmental
Absolute Age	Acceleration	Aerobic	AC & DC	abiotic factor
Adaptations	chemical property	Allele	Acceleration & Velocity	aerosols
Bacteria	complex machine	Anaerobic	Centripetal acceleration & force	air mass
Biotechnology	conduction	Angiosperm	conductor	aquifer
Decomposer	covalent bond	Carbohydrate	Conservation of Energy	barycenter
Deep Ocean Technology	Force	Catalyst	Conservation of Momentum	biodiversity
Density	Frame of reference	Cellular respiration	current	biosphere
Ecosystem	friction	Diffusion	Displacement	biotic factor
Estuaries	induction	Enzyme	Doppler Effect	carrying capacity
Evolution	ion	Evolution	Electromagnetics	chlorofluorocarbons
Food Chain	ionic bond	Excretion	field lines	climate
Food Web	isotope	Exponential	friction	deforestation
Fungi	law of conservation of energy	Expression	gravity	density
Groups	Law of Conservation of Matter	Gamete	impulse	ecological footprint
Heterogeneous	longitudinal (compressional) wave	Gene	inclined plane	El Nino
Homogeneous	magnetic domain	Gymnosperm	Induction	epicenter
Hydrosphere	mechanical advantage	Homeostasis	inertia	estuary
Index Fossils	mechanical energy	Innate	Interference	focal point (focus)
Law of Conservation of Mass	metallic bond	Lipid	Longitudinal & Transverse Waves	foliation
Law of Superposition	mixture	Logistic	magnetism	fossil fuels
Nitrates	Momentum	Metabolism	mass	fronts
Non-Point Source Pollution	Newton's Laws	Natural selection	momentum	geohazards
Periods	nuclear energy	Nucleic acid	Net Force	greenhouse effect
pH	Ohms Law	Organic	normal & parallel force	hydrologic cycle
Point-Source Pollution	Oxidation number	Osmosis	period & frequency	hydrosphere
Population	parallel circuit	Phenotype	potential difference (<i>emf</i>)	invasive species
Predator	pH	Pheromone	reflection & refraction	Köppen climate classification system
Prey	physical property	Protein	resistance	limiting factors
Producer	power	Regulation	scalar & vector	lithosphere
Relative Age	pure substance	Replication	series & parallel circuit	natural resources
River Basin	series circuit	Taxonomy	tension	nuclear fusion
Salinity	simple machine	Transcription	trajectory	nutiation
Toxins	Speed/ Velocity	Transgenic	wavelength	plate techtonics

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8	Physical Science	Biology	Physics	Earth/Environmental
Turbidity	thermal energy	Translation	weight	precession
Upwelling	transverse wave	Transport	work & power	relative humidity
Viruses	Uniform Motion	Vascular		revolution
	valence electrons			rotation
	wave interference			runoff
	work			specific heat
				urbanization

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Chemistry
Activation Energy
Alpha Particle
Anion
Aqueous
Atomic Mass
Atomic Number
Atomic Radii
Beta Particle
Binary Compound
Bond Energy
Catalyst
Cation
Chemical Equilibrium
Chemical Reaction
Coefficients
Colligative Property
Collision Theory
Conservation of Mass
Covalent
Dilution
Dipole-dipole forces
Dispersion Forces
Electrolyte
Electromagnetic Radiation
Electron Affinity
Electron Configuration
Electron Configuration
Electronegativity
Empirical Formula
Endothermic
Excited State
Exothermic
Fission

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Chemistry
Frequency
Fusion
Gamma Rays
Ground State
Groups
Half-life
Heat
Heat of Fusion
Heat of Vaporization
Hydrate
Hydrogen Bonds
Indicator
Intermolecular Forces
Ion
Ionic
Ionic Radii
Ionization Energy
Isotope
Kinetic Energy
Kinetic Molecular Theory
Lewis Structure
Macromolecule
Mass Number
Metallic Bonds
Molarity
Mole Ratio
Molecular Formula
Neutralization
Osmotic Pressure
Oxidation number
Periods
Phase

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Chemistry
Polarity
Polyatomic Ions
Potential Energy
Precipitate
Radioactive Decay
Solubility
Specific Heat Capacity
Subscripts
Titration
Transition elements
Valence Electrons
Valence Shell Electron Pair Repulsion Theory
Vapor Pressure
Wavelength