

4TH GRADE SCIENCE SBA VOCABULARY LIST

Inquiry & Process	Question	Curiosity	Metric units
	Observe	Metric system	Centigrade
	Predict	Measure	Graph
	Describe	Classify	Model
	Investigation	Experiment	Scientific method
	Classify	Characteristics/trait	Hypothesis
	Evidence	Data	Conclusion
	Opinion	Infer	Variable
	Generalization		

Physical Science	Color	Attract	Contract
	Size	Current electricity	Surface tension
	Shape	Static electricity	Volume
	Movement/motion	Circuit	Mass
	Texture	Insulator	Density
	Temperature	Conductor	Surface area
	Force	Physical properties	Condense
	Weight	Phases	Evaporate
	Melting	Solid	Groundwater
	Freezing	Liquid	Conduction
	Dissolving	Force	Insulation
	Magnification	Gas	Mass
	Energy	Change of speed	Accelerate
	Magnetism	Water vapor	Decelerate
	Repel	Expand	

Life Science	Senses	Food chain	Food web
	Nature	Environment	Energy pyramid
	Habitat	Survival	Producers
	Predator	Extinct	Consumers
	Prey	Structures	Decomposer
	Characteristics of life	Organisms	Environment
	Characteristics of animals	Vertebrate	Population
	Producer	Invertebrate	Community
	Consumer	Predator	Migrate
	Characteristics of plants	Prey	Ecosystems
	Carbon dioxide	Adaptation	Fossil
	Oxygen	Camouflage	Species
	Conifer	Interdependence	Photosynthesis
	Deciduous	Carbon	Energy flow
			Biomes

Earth Science	Sun	Climate	Minerals
	Moon	Atmosphere	Crystal
	Stars	Air mass	Rock cycle
	Hemisphere	Air pressure	Igneous
	Solar System	Barometer	Sedimentary
	Planet	Evaporation	Metamorphic
	Seasons	Condensation	Lava
	Water	Precipitation	Magma
	Earth	Cirrus clouds	Erosion
	Equator	Stratus clouds	Sedimentation
	North pole	Cumulus clouds	Deposition
	South pole	Rotation	Weathering
	Land	Revolution	Cementing
	Sky	Satellite	Melting
	Wind	Landform	Watershed
	Earthquake	Orbit	Core
	Runoff	Axis	Mantle
	Moraine	Avalanche	Crust
		Delta	Glacier

Technology / culture / history	Hand lens	Telescope	Microscope
	Binoculars	Scale/balance	Graduated cylinder
	Spotting scope	Thermometer	

Please send any comments or questions to:
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8TH GRADE SCIENCE SBA VOCABULARY LIST

Inquiry & Process	Dependent variable Controlled variable	Independent variable Experiment	Testable question Generalization
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Physical Science	Physical change Chemical change Heat Electricity Matter Mixtures Concentration Saturation Solutions Filter Precipitate Buoyancy Speed Distance Direction Force Motion Rate Work	Molecule Atoms Electron Proton Neutron Chemical element Energy Substance Mixture Nucleus Ion Isotope Ionic bond Covalent bond Van der waal force Brownian motion Friction Potential energy Kinetic energy	Atom structure Elements Molecules Compounds Volume Density Melting point Boiling point Temperature Solutions Solute-solvent Phases and phase changes of matter Energy types Energy transformation Charged particles Unbalanced forces Electromagnetic spectrum Velocity
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Life Science	Inherited traits Vertebrate Invertebrates Limiting factor Chlorophyll Pollution Environmental factors Terrestrial Aquatic Cell Genes Genetics Taxonomic Transpiration Mitochondria Chloroplast DNA	Cell Adaptation Asexual reproduction Sexual reproduction Learned behavior Instinct Vaccine Greenhouse gas Natural selection Variation Speciation Evolution Morphological Commensalism Cellular energy Eukaryote Prokaryote	Circulatory system Digestive system Excretory system Respiratory system Reproduction system Skeletal system Muscular system Nervous system Interdependence Heredity Taxonomy Plant anatomy Darwinism Symbiosis Parasitism Mutualism Dichotomous key
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Earth Science	Stars Planets Moons Comets Asteroid Meteors Lunar phases Eclipse Constellations Radiation Reflection	Igneous Metamorphic Earths' layers Soil composition Rock composition Gravitation Solar system Light year Magnitude of stars Kelvin scale Big Bang Theory	Geological activity Tectonic results Earth's axis/rotation Meltwater Topographical Wave characteristics Conduction Convection Radiation
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10TH GRADE SCIENCE SBA VOCABULARY LIST

Earth Science	Big Bang Theory	Volcanoes	Coriolis effect
	Earth's formation	Trenches	Star cycle
	Earth's internal energy	Erosion	Meteorology
	Geological time	Deposition	Weather
	Geology	Astronomy	Climate
	Rock cycle	Universe	Global climate change
	Identifying minerals	Galaxy	Tides
	Identifying rocks	Aurora	Natural disasters
	Plate tectonics	Solar winds	Tsunami
	Earthquakes	Ebb tide	Neap tide

Biology	Kingdom characteristics	Protein synthesis	Anatomical direction
	Meiosis	Genetics	Functions and relationship
	Mitosis	Structure/function	between all body systems
	Cell organelles	relationship	Organic energy (fats,
	Plant cell	Photosynthesis	proteins, carbohydrate)
	Animal cell	Cellular respiration	Enzyme activity
	Scientific method	Ecology	Zoology
	Virus	Environmental change	botany
	Emergence of life	Disease	DNA
	Evolution	Taxonomy	Mutation
	Natural selection		

Chemistry	Periodic table	Ionic bonding	H ₂ O Properties
	Ion	Covalent bonding	Acid-base reactions
	Isotope	Chemical reactions	Lewis dot structure
	Nuclear energy	Exothermic	Boyle's law
	Radioactivity	Endothermic	Thermodynamics

Physics	Pressure	Net work	Coulomb's Law
	Fluids	Net power	Magnetism
	Buoyancy	Vectors	Wave types
	Speed	Newton's Law	Amplitude
	Acceleration	Efficiency	Wavelength Frequency
	Inertia	Mechanical advantage	Electromagnetic Spectrum
	Momentum	Coefficient of friction	Net force

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