

Overview Chart for Delta Science Reader

Matter and Change

Selections	Vocabulary
Think About...	
<p>What Makes Up Matter? pages 2–8</p> <ul style="list-style-type: none"> • Atoms • Elements • Compounds 	<p>atom, atomic number, chemical bond, chemical formula, compound, covalent bond, electron, element, hydrocarbon, ion, ionic bond, isomer, isotope, mass number, matter, metal, metallic bond, metalloid, molecule, neutron, noble gas, nonmetal, nucleus, organic compounds, periodic table, polar molecule, proton, subatomic, valence electron</p>
<p>How Does Matter Behave? pages 9–12</p> <ul style="list-style-type: none"> • Kinetic Theory of Matter • States of Matter • Matter and Thermal Energy 	<p>boiling point, conduction, convection, fluid, gas, heat transfer, kinetic theory of matter, liquid, melting point, plasma, radiation, solid, temperature, thermal expansion</p>
<p>What Are Physical Properties and Changes? pages 13–15</p> <ul style="list-style-type: none"> • Physical Properties • Physical Changes 	<p>brittle, colloid, concentration, conductivity, density, dissolve, ductile, hardness, heterogeneous, homogeneous, magnetic, malleable, mass, mixture, physical change, physical property, saturated solution, solubility, solute, solution, solvent, sublimation, suspension, unsaturated solution, volume, weight</p>
<p>What Are Chemical Properties and Changes? pages 16–20</p> <ul style="list-style-type: none"> • Chemical Properties • Chemical Changes 	<p>acid, activation energy, base, catalyst, chemical change, chemical equation, chemical property, chemical reaction, combustibility, corrosive, decomposition, endothermic reaction, enzyme, exothermic reaction, hydrogen ion, hydroxide ion, indicator, inhibitor, law of conservation of mass, neutralization reaction, pH, precipitate, product, rate of reaction, reactant, reactivity, salt, stability</p>
People in Science	
<ul style="list-style-type: none"> • Marie Curie page 21 	<p>radioactive</p>
Did You Know?	
<ul style="list-style-type: none"> • About the Atomic Model page 22 	<p>atomic theory</p>

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Earth, Moon, and Sun

Selections	Vocabulary
Think About...	
<p>Where Is Earth in Space? <i>pages 2–5</i></p> <ul style="list-style-type: none"> • What Is Earth Like? • Earth in the Solar System • Stars • Galaxies and the Universe • What Force Keeps Satellites in Orbit? 	<p>asteroid, atmosphere, comet, galaxy, gravity, hydrosphere, law of universal gravitation, light-year, lithosphere, meteoroid, moon, orbit, planet, satellite, solar system, star, Sun, universe, weight</p>
<p>What Is the Sun Like? <i>pages 6–7</i></p> <ul style="list-style-type: none"> • The Sun’s Atmosphere • The Sun’s Interior • Studying the Sun 	<p>chromosphere, convection zone, core, corona, electromagnetic spectrum, nuclear fusion, photosphere, prominence, radiation zone, solar energy, solar flare, solar wind, spectrometer, sunspot, telescope</p>
<p>What Causes Days and Years? <i>pages 8–10</i></p> <ul style="list-style-type: none"> • Days • Years 	<p>axis, day, ellipse, International Date Line, revolution, rotation, time zone, year</p>
<p>What Causes Seasons? <i>pages 11–12</i></p> <ul style="list-style-type: none"> • Solstices • Equinoxes 	<p>axial tilt, equinox, latitude, season, solstice</p>
<p>What Is the Moon Like? <i>pages 13–15</i></p> <ul style="list-style-type: none"> • Maria and Highlands • Craters • Exploring the Moon • Moon Phases 	<p>crater, highlands, maria, phases, waning, waxing</p>
<p>What Causes Tides? <i>pages 16–17</i></p>	<p>neap tides, spring tides, tidal range, tide</p>
<p>What Causes Eclipses? <i>pages 18–19</i></p> <ul style="list-style-type: none"> • Lunar Eclipses • Solar Eclipses 	<p>eclipse, lunar eclipse, penumbra, solar eclipse, umbra</p>
People in Science	
<ul style="list-style-type: none"> • Nicolaus Copernicus <i>page 20</i> 	
Did You Know?	
<ul style="list-style-type: none"> • About the Planets <i>pages 21–23</i> 	