**6th Grade Earth Science Vocabulary**

**Chapter 1: Practicing Science**

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| Lesson 1: Skills of Science World  pp. 6-11 | Science, observing, quantitative observation, qualitative observation, inferring, predicting, classifying, making models, evaluating, scientific investigation |
| Lesson 2: Measurement in Science  pp. 12-21 | metric system, International System of Units (SI), mass, weight, volume, meniscus, density |
| Lesson 3: Math in Science  pp. 22-29 | Estimate, accuracy, precision, significant figures, percent error, mean, median, mode, anomalous data |
| Lesson 4: Graphs  pp. 30-33 | Graph, linear, graph, non-linear graph |
| Lesson 5: Doing Experiments  pp. 34-43 | Scientific inquiry, hypothesis, variables, independent variable, dependent variable, controlled experiment, data, observational research, opinion-based research |

**Chapter 2: Building Scientific Knowledge**

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| Lesson 1: Scientific Thinking  pp. 52-59 | Skepticism, objective, subjective, deductive reasoning, inductive reasoning |
| Lesson 2: Scientists at Work  pp. 60-65 |  |
| Lesson 3: Scientific Theories and Laws  pp. 66-69 | Scientific theory, scientific law |
| Lesson 4: Using Models  pp. 70-81 | Model, system, input, process, output, feedback |

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| Chapter 8:  Law of Superposition, Evidence, Evolution (in terms of Earth), Geologic time scale, Model, Fossil, Extinct, Extrusion, Intrusion |

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| Chapter 7  inner core, outer core, mantle, crust, lithosphere, convection, density |

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| Chapter 9 Plate Tectonics/Ch. 10 Volcanoes  Plate tectonics, plates, volcano, earthquake, mountain, Pangea, subduction, continental drift, sonar, convection current, fault, oceanic crust, continental crust, convergent boundary, transform boundary, divergent boundary, rift valley |

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| 6th Grade Chapter 7 Vocabulary |
| Rock Cycle, Sedimentary Rock, Igneous Rock, Metamorphic Rock, Sediment, Surface, Subsurface, Deposition, Weathering (conceptual), Erosion (conceptual), Heat, Pressure, Compaction, Cementation |

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| 6th Grade Chapter 15. 1-15.2/Ch. 17.1 |
| conduction, convection, radiation, transportation, runoff, infiltration, percolation, condensation, transpiration, weather, climate, hydrosphere, thermal energy, atmosphere, troposphere, geosphere, cryosphere, biosphere |

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| 6th Grade Chapter Ch. 17.5 |
| troposphere, stratosphere, mesosphere, ionosphere, thermosphere, exosphere, radiation, water vapor |

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| 6th Grade Chapter Ch. 15.3-15.6, 16.3-16.4, 17.4 |
| Jet stream, gulfstream, ocean current, air pressure, humidity, relative humidity, convection currents, sea breeze, land breeze, coriolis effect, storm surge, drought |

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| 6th Grade Weather #2 Chapter Ch. 15.3-15.6, 16.3-16.4, 17.4 |
| density, barometer, wind chill factor, front, isobars, isotherms, climate, humid subtropical, ice age, aerosols, sunspots, condensation |

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| 6th Grade Human Impact Ch. 17.6 and Chapter 12 |
| deforestation, urbanization, desertification, stream erosion, ecosystem, endangered species, extinct species, natural resource, empirical evidence, greenhouse gases, fossil fuels, global warming |

technology, exploration, data, electromagnetic spectrum, satellite

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| 6th Grade Ch. 6 Space Tech |
| technology, exploration, data, electromagnetic spectrum, satellite |

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| 6th Grade Ch. 4-5 Solar System |
| geocentric, heliocentric, solar system, galaxy, universe, gravitational force, Sun, planet, moon, tides, eclipses, phases of the moon, gravitational attraction |

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| 6th Grade Ch. 3 Sun/Stars |
| Law of Universal Gravitation, light year, apparent magnitude (brightness), luminosity (absolute brightness), convection, sunspot, solar flare, prominences, supernova, Hertzsprung-Russell Diagram |