

Earth Science Study Guide

Name:

Date:

Block:

Create a study guide that includes the major vocabulary and concepts you learn in this unit. Include **definitions, examples, and/or relevant diagrams**. Your study guide can be a rewriting of your notes, a series of questions/answers, a brochure, a mind map showing the connections between concepts, or any other way you can think of. You can create your study guide on a regular sized piece of paper, a large piece of poster paper, or cue cards

Earth Science I: Introduction

Vocabulary	Concepts
<ul style="list-style-type: none"> <input type="checkbox"/> Biotic <input type="checkbox"/> Abiotic <input type="checkbox"/> Carrying capacity <input type="checkbox"/> Overshoot period <input type="checkbox"/> Degrading carrying capacity <input type="checkbox"/> Atmosphere <input type="checkbox"/> Biosphere <input type="checkbox"/> Lithosphere/Geosphere <input type="checkbox"/> Hydrosphere 	<ul style="list-style-type: none"> <input type="checkbox"/> Living vs. Non-Living Organisms <input type="checkbox"/> Limiting Factors <input type="checkbox"/> Carrying Capacity <input type="checkbox"/> Earth's Spheres

Earth Science II: Solar Energy, Winds, Ocean Currents

Vocabulary	Concepts
<ul style="list-style-type: none"> <input type="checkbox"/> Greenhouse gases <input type="checkbox"/> Trade winds <input type="checkbox"/> Westerlies <input type="checkbox"/> Polar easterlies 	<ul style="list-style-type: none"> <input type="checkbox"/> Solar Energy <input type="checkbox"/> Coriolis Effect <input type="checkbox"/> Winds <input type="checkbox"/> Convection Currents <input type="checkbox"/> Ocean Currents <input type="checkbox"/> Surface Currents <input type="checkbox"/> Great Ocean Conveyor Belt

Earth Science III: Types of Organisms; Food Chains, Webs, and Pyramids

Vocabulary	Concepts
<input type="checkbox"/> Organism	<input type="checkbox"/> Food Chain
<input type="checkbox"/> Producer	<input type="checkbox"/> Trophic Levels
<input type="checkbox"/> Consumer (primary, secondary, tertiary, apex)	<input type="checkbox"/> Food Web
<input type="checkbox"/> Herbivore	<input type="checkbox"/> Energy Pyramid
<input type="checkbox"/> Carnivore	
<input type="checkbox"/> Omnivore	
<input type="checkbox"/> Decomposer/Detrivore	
<input type="checkbox"/> Trophic level	

Earth Science IV: Water Cycle & Carbon Cycle

Vocabulary	Concepts
<input type="checkbox"/> Evaporation	<input type="checkbox"/> Water Cycle
<input type="checkbox"/> Condensation	<input type="checkbox"/> Human impact on water cycle
<input type="checkbox"/> Precipitation	<input type="checkbox"/> Carbon Cycle
<input type="checkbox"/> Infiltration	<input type="checkbox"/> Human impact on carbon cycle
<input type="checkbox"/> Ground water	<input type="checkbox"/> Effects of excess carbon
<input type="checkbox"/> Run-off	
<input type="checkbox"/> Transpiration	
<input type="checkbox"/> Point source pollution	
<input type="checkbox"/> Non-point source pollution	
<input type="checkbox"/> Bioaccumulation	
<input type="checkbox"/> Biomagnification	
<input type="checkbox"/> Global warming	
<input type="checkbox"/> Global climate change	

Earth Science V: Nitrogen Cycle & Phosphorus Cycle

Vocabulary	Concepts
<input type="checkbox"/> Nitrogen-fixing bacteria	<input type="checkbox"/> Nitrogen Cycle
<input type="checkbox"/> Denitrifying bacteria	<input type="checkbox"/> Human impact on nitrogen cycle
<input type="checkbox"/> Lightning fixation	<input type="checkbox"/> Phosphorus Cycle
<input type="checkbox"/> Nitrification	<input type="checkbox"/> Human impact on phosphorus cycle
<input type="checkbox"/> Denitrification	<input type="checkbox"/> Algal bloom
<input type="checkbox"/> Weathering	
<input type="checkbox"/> Geological uplift	