

Unit 2
Lesson 3
How Do Earth's Systems Change Earth's Surface?

Name _____ # _____ class _____

Section 1: Earth's Surface Changes

- Earth's surface is always _____ because Earth's systems _____ with one another
- Natural structures on Earth's surface are called _____
- Plants and animals in the _____ change Earth's _____ in many ways.
- As Earth's _____ changes, the other _____ change.

Section 2: How Islands Form

- Continental Islands
 - Forms when a chunk of land breaks off from a _____, a major land mass.
 - Continental islands form when the _____ and _____ interact.
- Volcanic Islands
 - When a volcano erupts over and over again, layers of _____ build up until it appears _____ and an island is formed.
 - Volcanic islands form when the _____ and _____ interact.

- Barrier Islands
 - Barrier islands form when the _____ and _____ interact.
 - They are narrow islands that form near _____ when ocean currents deposit piles of _____ and other _____.
 - Barrier islands can also form when _____ melt, causing the sea level to rise and flood areas around _____.
 - Coral Islands
 - Coral Islands are formed when the _____ and _____ interact.
 - When coral reproduces, its _____ grows larger. It grows upward in layers until it breaks through the water's _____ to make an island
 - Coral islands are made mostly of _____ but sand and other kinds of rock may be included.
- Islands are formed when the _____ and _____ interact.

Section 3: Weathering, Erosion, and Deposition

- _____ is the breaking down of rock by interactions with Earth's systems.

- Can be an _____-geosphere interaction
 - _____ carries tiny pieces of sand that hit and rub against rock to wear it away
- Can be a _____-geosphere interaction
 - Rain, rivers, and ocean waves carry tiny pieces of _____ that beat against rock and weather it
 - _____ gouge out rock when they move over it
- Can be a _____-geosphere interaction.
 - Plant _____ grow into cracks in rocks when searching for water
- Weathering changes the _____ of landforms.
- _____ is the loosening and carrying away of weathered _____ from one place to another
 - _____ in the atmosphere, and water and _____ in the hydrosphere cause erosion
- _____ is the process of moving wind, _____, and glaciers slowing down and dropping the _____ they carry.

Section 4: How Soil Forms

- Soil contains parts from all four of Earth's _____.
- It can take more than _____ years for new soil to form.
 - It forms _____ in warm climates than colder climates

- Soil is carried by _____ and _____ to new places, where it is deposited.