

Chapter 3 - Lesson 1: Review

Match the term with its description

- B 1. Constructive process X A. Break down
- A 2. Destructive process X B. Build up
- D 3. Weathering X C. Moves sediment
- C 4. Erosion X D. Destructive process
- E 5. Deposition X E. Puts sediment down



Critical Thinking Florida Beaches are important for both people and animals. Will FL beaches always stay the same or will they change? Can humans do something to keep the beaches here? Explain your thoughts.

The beaches are forever changing. Yes, humans can build structures to try and slow erosion. (jettys, levees, retaining walls). Humans can also move sand to build beaches back up.

CHAPTER 3 - LESSON 1:

EROSION AND DEPOSITION MS. GRIFFIN

P75 - Reshaping Earth's Surface

- 1 Constructive = Build Up
- 2 Destructive = Tear Down

* Constructive and Destructive processes work together to reshape/change Earth's surface.

P76-77 - A Continual Process of Change

1 Weathering - destructive process
- Breaks Down

2 Erosion - Moves sediment

• There are 4 factors that effect rate of erosion

- 1 weather
- 2 climate
- 3 topography
- 4 type of rock

P78 • Rounding - sediments get Rounder the longer they erode.

P78 • Sorting - wind/waves = well sorted storm/flood = poorly sorted

P79 Deposition

Deposition is the laying down, or settling of eroded material

• Depositional Environments = Location where sediment is dropped

- 3 Places deposition occurs

① on land

② along coasts

③ in oceans

- 4 Types of depositional environments

① swamps ③ beaches

② deltas ④ dunes

• Sediment Layers 

- Sediment deposited in water form layers called Beds.

- These layers can be preserved (saved) in Sedimentary rock.

Quick Check! How are erosion and deposition related?

Erosion carries weathered material.

Deposition is when the eroded material is dropped/deposited.

P80 ~~Erosion~~ Landforms Created by Erosion

- Landforms on Earth's Surface are ALWAYS Changing. TRUE/FALSE

- Landforms you see are built by destructive processes and constructive processes TRUE/FALSE

Describe how the following landforms were created:

The <u>Tepees</u> in Arizona	<u>Hoodoos</u> in Bryce Canyon Natl. Park	Glacier National Park in Montana
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- Several layers of different material

- erosion wore away weak parts = layers of material exposed.


- Different pates of erosion

- weak = weather first

- stronger parts still standing

- H₂O and ice

- makes U-shaped valleys and jagged mtns.

P81  Landforms Created by Deposition

- Depositional landforms are often flat and low-lying.

Describe how the following landforms were created:

<u>Alluvial fan</u>	<u>Sand bar</u>
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- where a stream flows from steep, narrow canyon onto a flat plain (H₂O slows down)

- sediments deposited when the water slows