

Name: _____ Period: _____

Erosion and Deposition

(7.2.7 ...explain how large-scale physical processes have shaped the land.)

Lesson 1: Mass Movement

Learning Objectives/SWBAT:

- Describe the processes that wear down and build up Earth's surface.
- Identify the causes of the different types of mass movement.

What Processes Wear Down and Build up Earth's Surface?

(all)

- erosion

- causes of erosion:

- sediment

- deposition

Weathering, _____

What Are the Different Types of Mass Movement?

(A)

- gravity

- mass movement

- is caused by _____

☛ The different types of mass movement include _____

- mudflow

- landslides

- slump

- creep

* complete figure 1 p. 452 and 453 (Interactive Art – Interpreting Diagrams)

Lesson 2: Water Erosion

Learning Objectives/SWBAT:

- ☛ Explain how moving water causes erosion.

- ☛ Describe some of the land features that are formed by water erosion and deposition.

How Does Moving Water Cause Erosion?

(B)

☛ Moving water is _____

Runoff

- runoff

- sheet erosion

- five factors that determine the amount of runoff
 - a.
 - b.
 - c.
 - d.
 - e.

Stream Formation

- rills and gullies

- streams and rivers

- tributaries

What Land Features Are Formed by Water Erosion and Deposition?

(C)
Water Erosion

☛ Through erosion _____

- waterfalls
- flood plain
- meander
- oxbow lake

Water Deposition

🔑 Deposition creates _____

- deltas
- alluvial fans

(D)

Groundwater Erosion

- groundwater

🔑 Groundwater can cause _____

Analyze the text to determine and summarize how caves form. Write the "steps" in order:

Cave Formations

- stalactite

- stalagmite

Karst Topography

- karst topography

Lesson 3: Glacial Erosion

Objectives/ SWBAT:

- ↔ Explain how glaciers form and move.
- ↔ Explain how glaciers cause erosion and deposition.

How Do Glaciers Form and Move?

(E)

- glacier

↔ Glaciers can form _____

Continental Glaciers

- continental glacier

☛ Continental glaciers can _____

- ice ages

Valley Glaciers

- valley glacier

☛ Gravity _____

How Do Glaciers Cause Erosion and Deposition?

☛ The two processes _____

Glacial Erosion

- plucking

* Complete Figure 2.

(F)

Glacial Deposition

☞ When a glacier melts _____

- fill

- moraine

- kettle

* Complete Figure 3 (Art in Motion - Glacial Landforms) on pages 468 and 469.

*You will need to look at the first part of this lesson for this part.

- fiord

- horn

- arête
- cirque
- glacial lake
- moraine
- kettle lake
- u-shaped valley
- drumlin

Lesson 4: Wave Erosion

Objectives/SWBAT:

🔑 Describe how ocean waves cause erosion and deposition.

How Do Waves Cause Erosion and Deposition?

(G)

Erosion by Waves

🔑 Waves shape _____

Describe how waves erode through impact:

- headland

Landforms Created by Wave Erosion

- sea cave
- wave-cut cliff
- sea arch
- sea stack

(H)

Deposits by Waves

🔑 Waves shape a _____

Beaches

	<ul style="list-style-type: none"> - beach - longshore drift Sandbars and Barrier Beaches Spits - spit
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Lesson 5: Wind Erosion	
Objectives/SWBAT: <ul style="list-style-type: none"> ☛ Explain how wind causes erosion and deposition. 	
How Does Wind Cause Erosion and Deposition?	<p>(I)</p> <p>Deflation</p> <ul style="list-style-type: none"> - deflation <p>Abrasion</p>

*Complete Figure 1 Wind Erosion

Deposits by Wind

☛ Wind erosion and _____

-sand dune

Sand Dunes

Loess Deposits