

Scan Lesson 1. Read the lesson titles and bold words. Look at the pictures. Identify three facts that you discovered about the processes of erosion and deposition. Record your facts in your Science Journal.

Main Idea

Reshaping Earth's Surface

I found this on page _____.

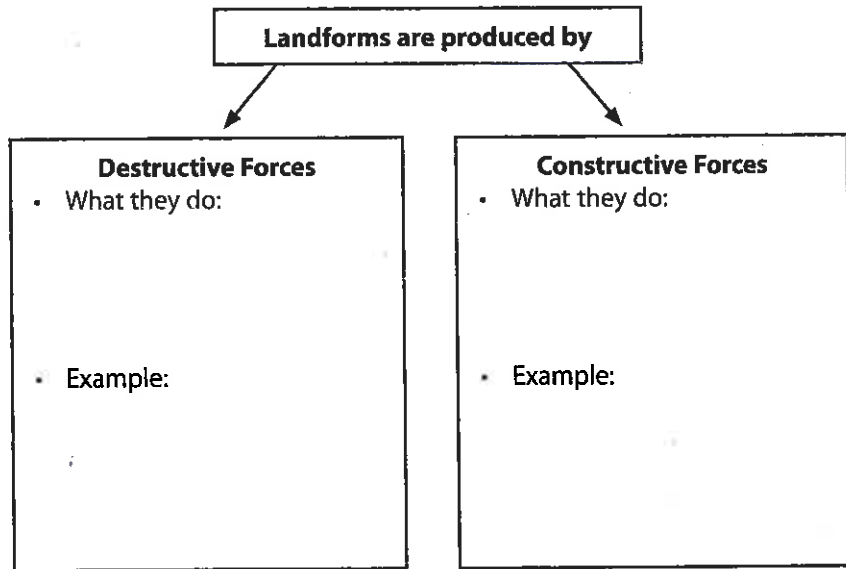
A Continual Process of Change

I found this on page _____.

I found this on page _____.

Details

Organize information about the processes that shape the land.

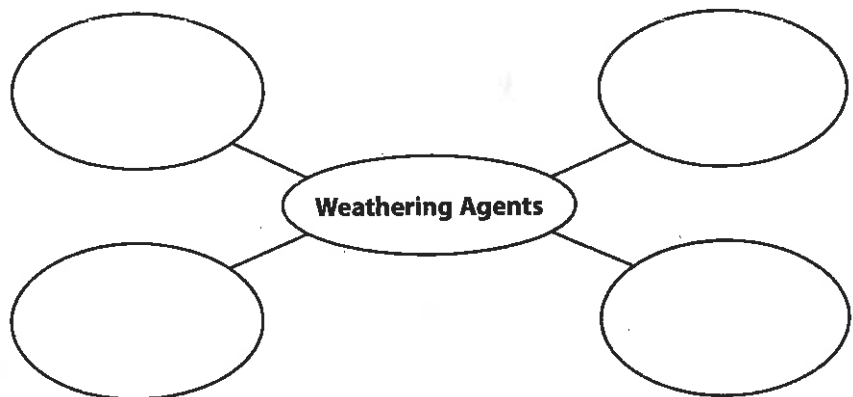


Record 2 types of weathering, and describe how each process changes rock.

1. _____

2. _____

Identify four weathering agents.



Lesson 1 | The Erosion-Deposition Process (continued)

Main Idea

I found this on page _____.

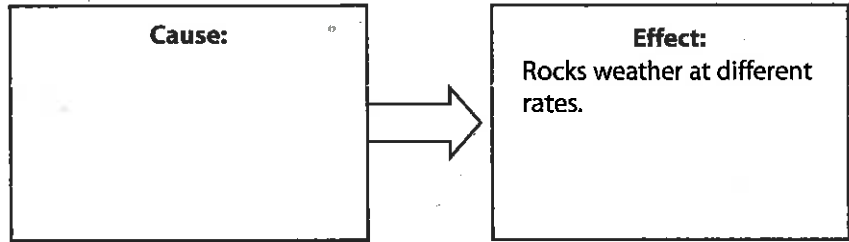
I found this on page _____.

I found this on page _____.

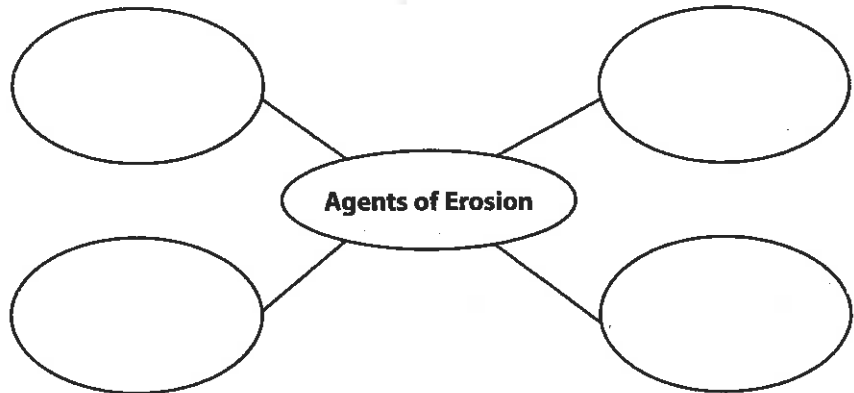
I found this on page _____.

Details

Identify the cause of rocks weathering at different rates.



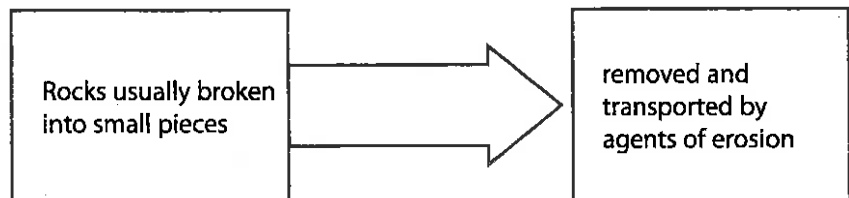
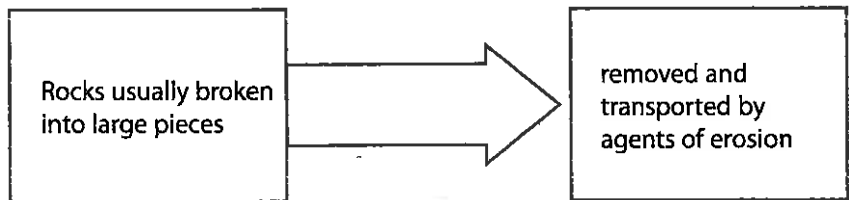
Recognize four agents of erosion.



Record four factors that affect the rate of erosion.

1. _____
2. _____
3. _____
4. _____

Compare how rock type can affect the rate of erosion by writing "more easily" or "less easily" in the arrows.



Lesson 1 | The Erosion-Deposition Process (continued)

Main Idea

I found this on page _____.

I found this on page _____.

I found this on page _____.

I found this on page _____.

Details

Sequence how rocks can be by rounded by erosion.

- _____ The rock becomes rounded.
- _____ Rocks bump against each other.
- _____ Rough edges are broken away.

Identify which sediments would be well sorted and which would be poorly sorted by erosion. Place a check mark in the proper column.

Sediment	Well Sorted	Poorly Sorted
Sediment is rolled along a coastline for many years as the waves move it back and forth.		
Sediment is left behind when a glacier melts.		
Sediment is carried quickly downriver by floodwaters.		

Differentiate erosion and deposition.

Erosion	Deposition

Contrast 2 types of depositional environments.

Environment	Speed of Sediment Transported	Size of Sediment Transported	Example
High energy			
Low energy			

Lesson 1 | The Erosion-Deposition Process (continued)

Main Idea

I found this on page _____.

Interpreting Landforms

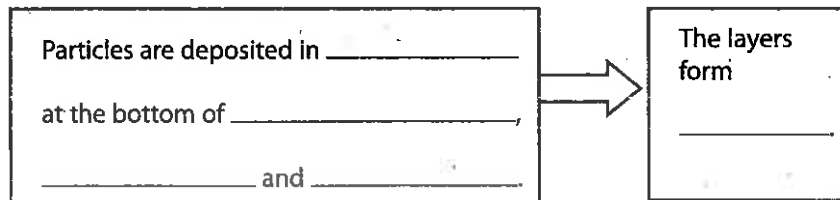
I found this on page _____.

I found this on page _____.

I found this on page _____.

Details

Sequence how water typically deposits sediment layers.



Point out three features of landforms produced by erosion.

1. _____

2. _____

3. _____

Identify the agent that produces each depositional landform listed below.

Landform	Produced by
Deserts of sand	
Sandbars	
Eskers and moraines	

Compare landforms created by deposition and erosion.

Landforms	
Created by Deposition	Created by Erosion

Synthesize It A muddy stream quickly flows downhill. When it reaches a flatter area, the stream moves more slowly, and the water clears. Explain why the stream changes speed and appearance.

Predict three facts that will be discussed in Lesson 2 after reading the headings. Record your facts in your Science Journal.

Main Idea

Shaping the Land with Water and Wind

I found this on page _____.

Water Erosion and Deposition

I found this on page _____.

I found this on page _____.

I found this on page _____.

I found this on page _____.

Details

Recall two important causes of weathering, erosion, and deposition.

1. _____ 2. _____

Sequence the stages of stream development.

Young Stream

Fast-moving water in _____ carves steep, _____ valleys. _____ and _____ can be found in these fast-paced streams.



Mature Stream

_____ change the _____ of a stream. Slower water erodes the _____ of the stream channel more than the _____, and the stream develops curves, or _____.



Old Stream

Old streams flow _____ through _____.

Diagram how a longshore current changes the shoreline.

Identify two features that form when waves erode less resistant rocks along the shore.

1. _____ 2. _____

Lesson 2 | Landforms Shaped by Water and Wind (continued)

Main Idea

I found this on page _____.

I found this on page _____.

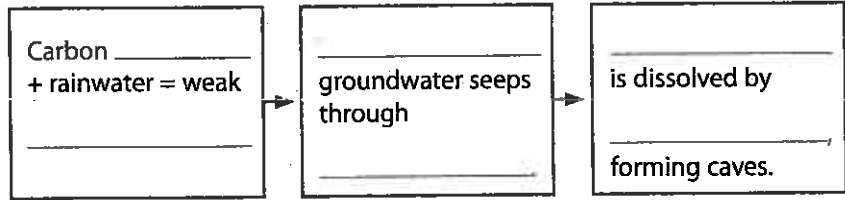
I found this on page _____.

I found this on page _____.

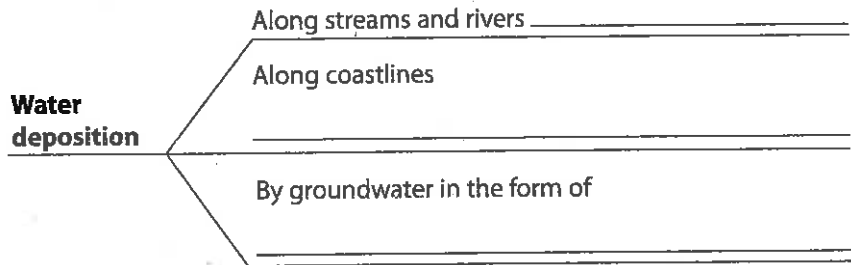
I found this on page _____.

Details

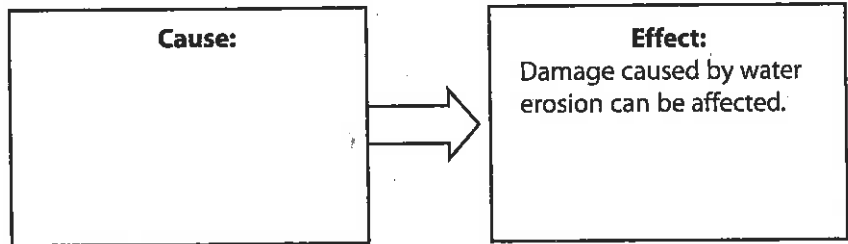
Explain the process of groundwater erosion.



Describe how sediment is deposited by water.



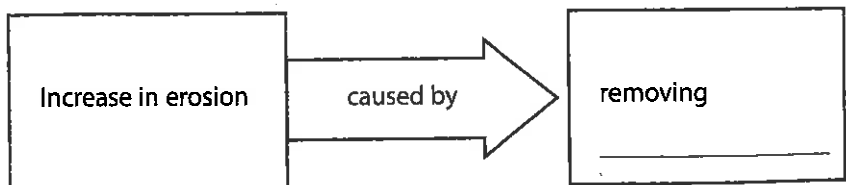
Identify a factor that can cause a change in the amount of water erosion.



Record two ways that people can affect beach erosion.

- _____
- _____

Complete the diagram to identify the most common way that surface erosion can be increased by human activity.



Main Idea

I found this on page _____.

Wind Erosion and Deposition

I found this on page _____.

I found this on page _____.

I found this on page _____.

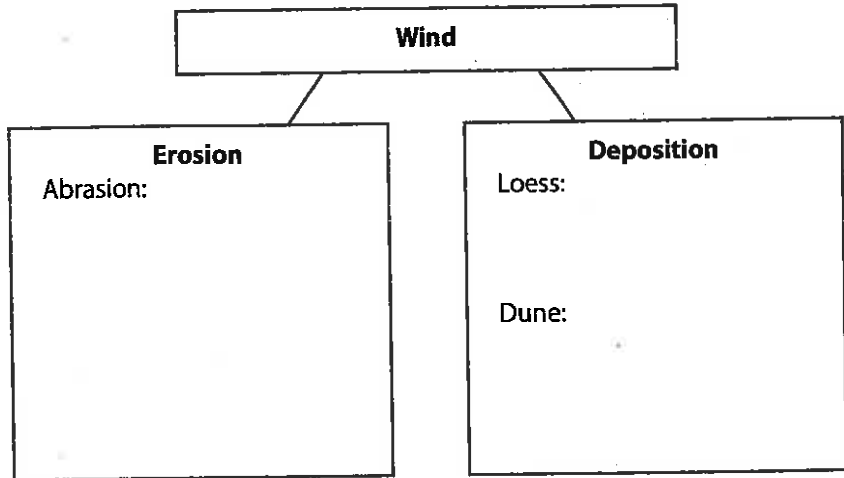
Details

Identify one advantage and one disadvantage of levees.

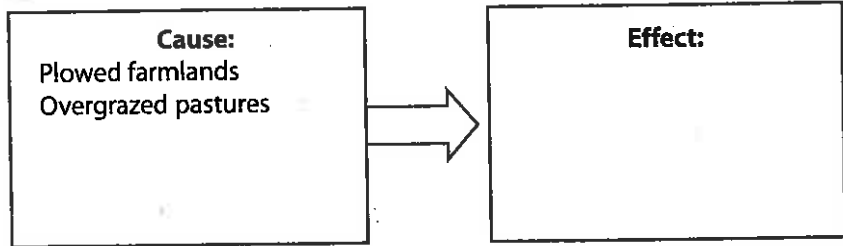
Advantage: _____

Disadvantage: _____

Explain how wind changes Earth's surface.



Examine the effect of human activity on wind erosion.



Record two ways farmers can slow the effects of wind erosion.

1. _____

2. _____

Connect It A property owner is losing soil. Each year during the rainy season, a small stream erodes a deep cut on the property and washes away soil. Identify at least two methods that the property owner could use to decrease the amount of erosion.

Lesson 3 Mass Wasting and Glaciers

Skim Lesson 3 in your book. Read the headings and look at the photos and illustrations. Identify three things you want to learn more about as you read the lesson. Record your ideas in your Science Journal.

Main Idea

Mass Wasting

I found this on page _____.

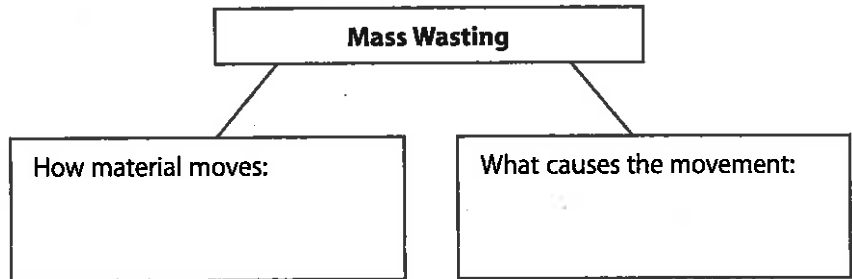
I found this on page _____.

I found this on page _____.

I found this on page _____.

Details

Relate two aspects of mass wasting.



Describe two ways that vegetation can help reduce the effects of mass wasting.

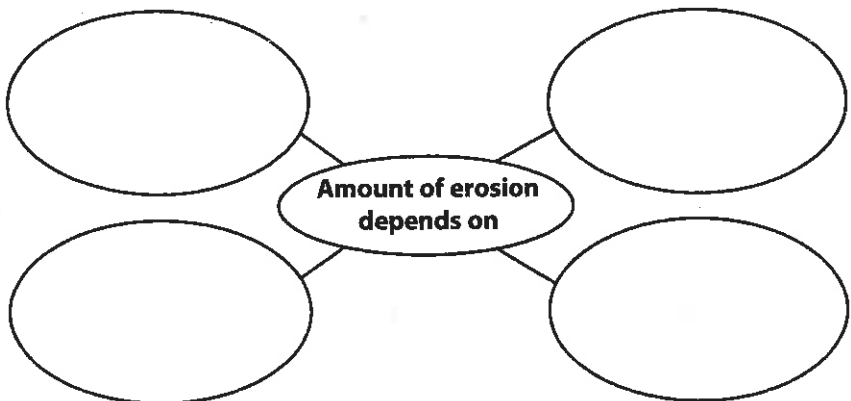
1. _____

2. _____

Record four types of mass wasting. Circle the types that occur slowly.

1. _____
2. _____
3. _____
4. _____

Identify four factors that affect the amount of erosion that occurs during a mass-wasting event.



Lesson 3 | Mass Wasting and Glaciers (continued)

Main Idea

I found this on page _____.

I found this on page _____.

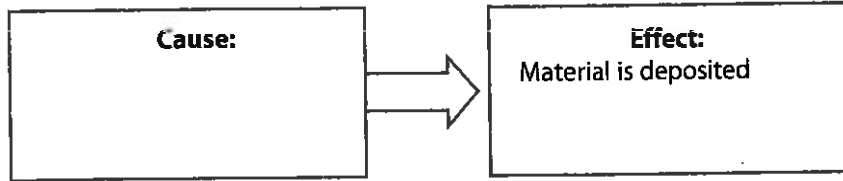
Glacial Erosion and Deposition

I found this on page _____.

I found this on page _____.

Details

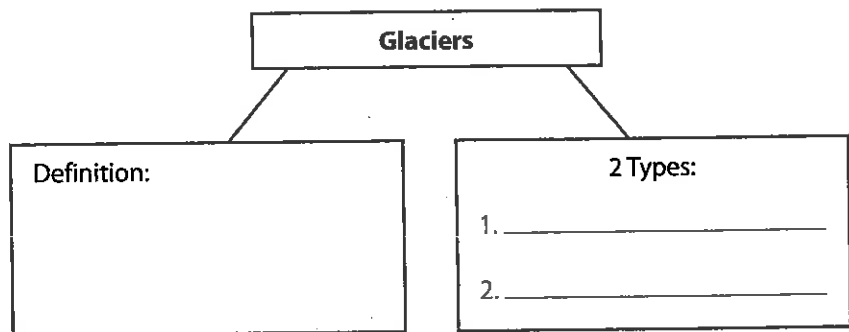
Identify the cause of deposition of material moved by mass wasting.



Describe how human activity can contribute to or prevent mass wasting.

Cause	Effect
Building homes on steep and unstable slopes	
Planting vegetation on steep slopes	
Use of heavy machinery or blasting	
Making existing slopes steeper during landscaping	

Organize information about glaciers.



Explain how glaciers erode Earth's surface.

Glaciers _____ over Earth's surface, acting like large _____ carving the land.

Rocks and boulders frozen in the ice create _____ on the underlying rock.

Main Idea

I found this on page _____.

I found this on page _____.

I found this on page _____.

I found this on page _____.

I found this on page _____.

I found this on page _____.

I found this on page _____.

Details

Detail features formed by alpine glaciers.

Term	Definition
Horn	
	sharp ridge of rock formed between two glaciers
Cirque	
	a valley carved by a glacier
Hanging valley	

Describe deposition by glaciers.

Glaciers slowly _____ and deposit
_____ that was frozen in the ice.

Till
 a. poorly sorted
 b. ranges in size from _____ to _____

Outwash
 a. layered
 b. deposited by _____
 c. consists mostly of _____ and _____

Identify how human activity can affect glacial melting.



Connect It Identify the landforms that are formed as a glacier melts.
