Changing Earth's Surface (pp. 88-91)

This section explains how sediment is carried away and deposited elsewhere to wear down and build up Earth's surface. The section also describes ways that gravity moves sediment downhill.

Use Target Reading Skills

As you read, fill in the graphic organizer below to compare and contrast types of mass movement.

Types of Mass Movement	Speed	Slope
Landslide	a.	b.
Mudflow	c.	d.
Slump	e.	f. days grade days
Creep	g.	h.

Wearing Down and Building Up (pp. 88-89)

List the agents of erosion. a. Clavally b. Wares c. Manie water d. Which e. Glavally Where does deposition occur? Where does deposition occur? Where does deposition occur?	+ soil	rock +	weathe	ours mo	What is erosic
e. Glassey The material moved by erosion is called Alduet.			Wave	erosion.	0111
e. Glassy The material moved by erosion is called Related.		यो प्रियम श्राम्बुसा है।	Much	montes	7
The material moved by erosion is called <u>Relucet</u> .		animila (1. 372 Sell A Barriold - in militario	oma	way	c. Manu
The material moved by erosion is called Rolling. Where does deposition occur? Where does deposition occur? While agents of enouge lay down a			wh:Song as	1	e. 6 lack
Where does deposition occur?	100, 100 (1555)	gI	ed & loll	red by erosion	The material
Where does deposition occur? event agents of enorum lay down &	, ,		cu vo b-b	rea by crosion	The material i
	a adenci	down &	ion la	esition occur?	Where does d
V	<u></u>			V	

Mass Movement (pp. 89–91)

5. Circle the letter of each sentence that is true about gravity.

a. It pulls things toward Earth's center.

It causes landslides.

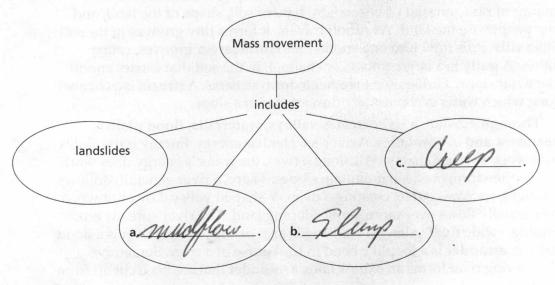
C It causes mass movement.

d. It is an agent of erosion.

Is the following sentence true or false? The most destructive kind of mass movement is creep.

Is the following sentence true or false? Mudflows and slump are especially likely in soils high in clay.

Complete the concept map.



d. Write a sentence that explains the relationship among the concepts shown.

Match the type of mass movement with its description.

Mass Movement

9. landslide

10. mudflow

11. slump 12. creep

Description

- a. Rock and soil suddenly slip down a slope in one large mass.
- **b.** Rock and soil slide quickly down a steep slope.
- c. Rock and soil move very slowly downhill.
- d. A mixture of water, rock, and soil moves rapidly downhill.

Name		Date	Class
Erosion and Depo	sition • Re	eading/Notetaking Guid	de a marana de baix numero. C
Water Eros	ion (pp. 9	94–103)	
This section describe as valleys and deltas		water erodes and deposits	sediment to create landforms such
Use Target Rea	ding Skills	Siev/ uni rold io amoi	
		on page 99 in your textboo teps in the formation of an	
		Alluvial Fan Formation	
1, 3,0 (3, 2),2,1	A stream flov	ws out of a steep, narrow mo	untain valley.
		\	
a	THE COUNTRY	* W. C. S.	

b.

- 1. Water running downhill is the major agent of _______
- 2. Water that moves over Earth's surface when it rains is called
- 3. Other than how people use the land, list four factors that determine the amount of runoff in an area.
 - a. anyout of rain
- b. presque of Veglation
- 4. Is the following sentence true or false? More runoff generally means less erosion.

Water Erosion (continued)

5. Fill in the first column of the table with the correct form of moving water.

Forms of Moving Water		
Form	Description	
a. Rill	Water moving in a tiny groove in soil after a rainstorm	
b. Gally	Water moving in a channel after a rainstorm	
c. Stream	Water continually flowing down a slope through its own channel	
d. River.	Water flowing downhill in a large channel	

e.	Which form of moving	water causes the gr	reatest changes in	the shape
	of the land? Explain.	/	+1	

6. Unlike gullies, streams rarely _

- 7. A large stream is also called a(n)

Erosion by Rivers (pp. 96-98)

8. How do V-shaped valleys form?

river enoscon

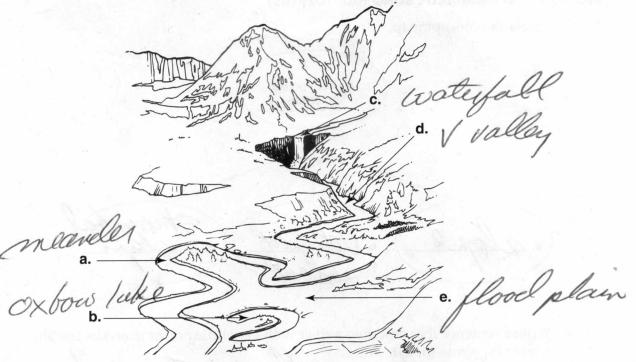
9. When does a river develop meanders?

10. A meander that has been cut off from a river is called a(n)

Class .

Erosion and Deposition • Reading/Notetaking Guide

11. Identify and label each of the following landforms in the illustration: waterfall, oxbow lake, meander, flood plain, and V-shaped valley.



Date____

Deposits by Rivers (pp. 98-101)

12. List two landforms created from deposits by rivers,

13. What is an allyvial fan?

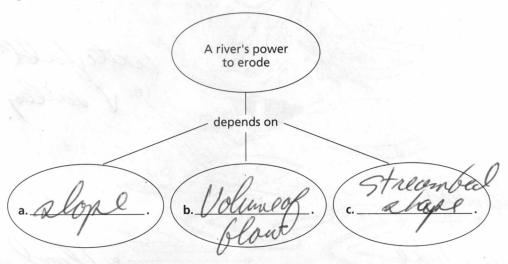
14. Sediments deposited where a river flows into an ocean or lake form a(n)

15. What makes a river valley fertile?

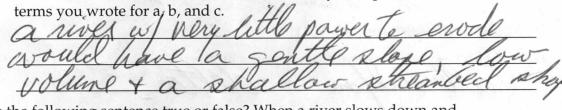
Water Erosion (continued)

Erosion and Sediment Load (pp. 102-103)

16. Complete the concept map.

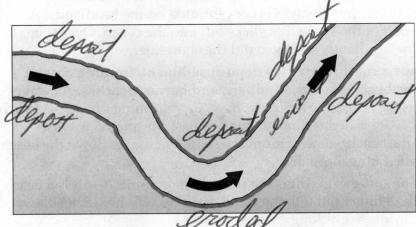


d. Write a sentence that describes a river with very little power to erode. Use the



17. Is the following sentence true or false? When a river slows down and deposits its sediment load, smaller particles of sediment are deposited first.

- 18. Circle the letter of each factor that increases the speed of a river.
 - a. steep slope
 - b. low volume
 - c. deep streambed
 - d. boulders in streambed
- 19. Circle the letter of each factor that decreases the speed of a river.
 - (a.) gentle slope
 - b. high volume
 - c. shallow streambed
 - d. boulders in streambed
- **20.** Is the following sentence true or false? Where a river flows in a straight line, the water flows faster along the river's sides than near its center.
- 21. Label the drawing to show where the river erodes sediment and where it deposits sediment as it flows around the curve.

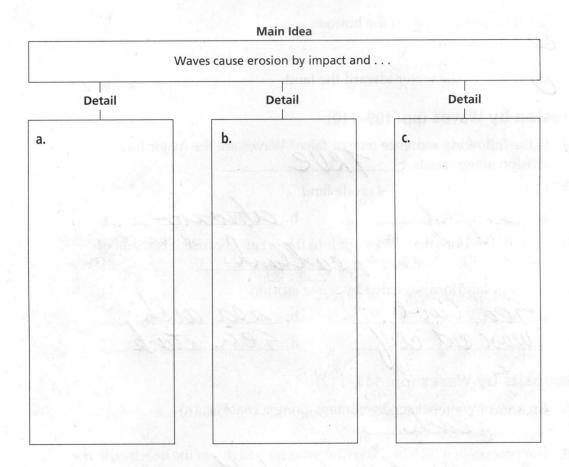


Waves and Wind (pp. 108-114)

This section explains how waves form and describes the erosion and deposition that waves cause. This section also describes how wind causes erosion and discusses the types of deposits that are caused by wind.

Use Target Reading Skills

As you read about waves, complete the graphic organizer by filling in the details.



How Waves Form (p. 108)

- 1. Circle the letter of each sentence that is true about the energy in waves.
 - It comes from wind.
 - **b.** It moves water particles up and down.
 - c. It moves water particles forward.
 - It moves across the water.

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Wa	ives and Wind (continued)
2.	What part of the water is affected by a wave in deep water? Only near the surface
3.	Circle the letter of each sentence that is true about a wave approaching land. 1 It begins to drag on the bottom.
	It slows down. c. It speeds up. d. It moves the water toward the land.
Erc	osion by Waves (pp. 109-110)
4.	Is the following sentence true or false? Waves are the major force of erosion along coasts.
5.	a. I mack b. abroxov
6.	Part of the shore that sticks out into the ocean because it is made of harder rock is called a(n)
7.	a. Sea Cave. b. sea arch. c. Wave cut cliff d. Sea stock
De	posits by Waves (pp. 111-112)
8.	An area of wave-washed sediment along a coast is a(n)
9.	The process in which beach sediment is moved down the beach with the current is called
10.	How does a spir form? I the long where duft of deposition occurs.

Name	Date	Class
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Erosion by Wind (pp. 112-	113)	d dune
11. A deposit of wind-blown sa	and is a(n)	a auni
12. Is the following sentence treerosion.	ue or false? Wind is the	e strongest agent of
13. Why is wind effective in ca	using erosion in deser	ts?
	1 Since	
14. Circle the letter of each sent		t deflation.
 a. It is the main way wind b. It usually has a great effect. c. It can create blowouts. d. It can create desert pave 	fect on the land.	
15. Circle the letter of each sent	tence that is true about	t abrasion by wind-carried sand.
a. It can polish rock.		
b. It causes little erosion. c. It causes most desert la	ndforms	
d. It causes most erosion.		
Deposition by Wind (p. 11	4)	
16. Is the following sentence tr wind eventually falls to the		liment picked up by
17. When does wind-carried se	ediment fall to the grow	and? ws-less ene
18. List two types of deposits for	ormed by wind erosion	n and deposition.
a. sand dures	b. 100	ess desouts

Name	Date	Class

Waves and Wind (continued)

19. Complete the Venn diagram by adding the following phrases: have finer sediments, have coarser sediments, result from wind erosion.

a. heaveget b. eroswor c. Lein deponds

d. Which type of sediment can be found far from its source? Explain.

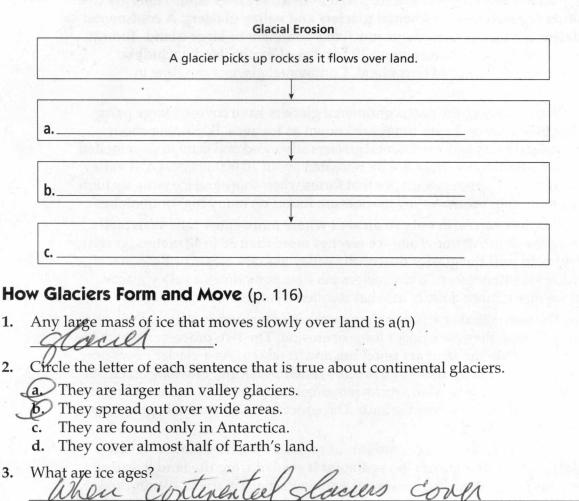
Name	Date	Class
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Glaciers (pp. 115-11	9)	

This section describes huge ice masses, called glaciers. The section also describes the ice ages, a time when glaciers covered much of Earth. In addition, the section explains how glaciers form and move and how they cause erosion and deposition.

Use Target Reading Skills

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Read the section "How Glaciers Shape the Land" on page 117 in your textbook. Complete the following flowchart showing the steps of glacial erosion.



4. Is the following sentence true or false? The most recent ice age ended about 10,000 years ago.

5. Is the following sentence true or false? All of North America was covered by a continental glacier in the last ice age.

10. List two processes by which glaciers erode the land.

11. Is the following sentence true or false? Plucking can move only small stones.

Name	Cites and	_ Date	Class
Erosic	on and Deposition • Readi	ng/Notetaki	ng Guide
Glac	iers (continued)		
	escribe abrasion and how it a	//	lover ding deros
	Then does a glacier deposit the	M. S.	
2	each type of glacial landform wi	mel	3.
	Type of Landform	De	escription
	14. till 15. moraine	a.	Small depression formed by a chunk of ice when it melts
CEDAGLA	16. terminal moraine17. drumlin18. kettle19. cirque20. arête21. fiord	c. d. e. f. g.	Mixture of sediments a glacier deposits on the surface Ridge formed at the edge of a glacier Long mound of till that is smoothed in the direction of the glacier's flow Ridge at the farthest point reached by a glacier Sharp ridge separating two cirques Bowl-shaped hollow eroded by a glacier Sea-filled valley cut by a glacier in a
22. E	xplain the difference between Aluck & ding whe	glacial eros	coastal region