

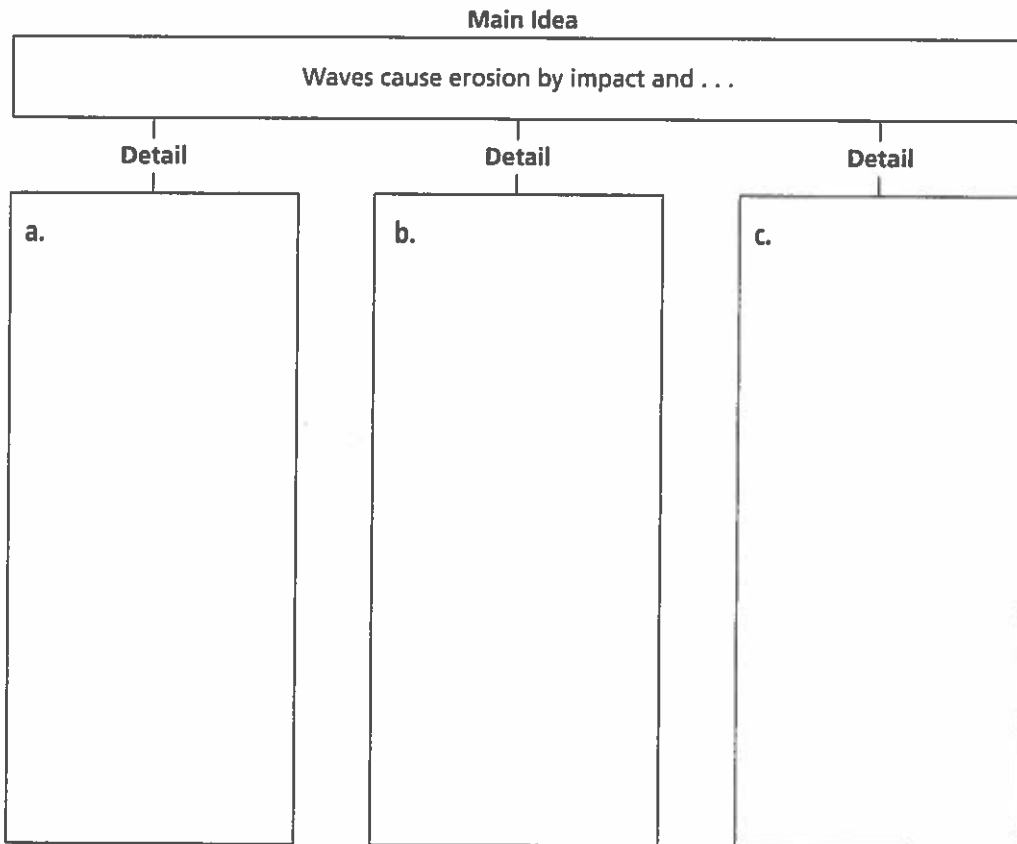
Erosion and Deposition ▪ *Guided Reading and Study*

Waves (pp. 296–300)

This section explains how waves form. The section also describes the erosion and deposition that waves cause.

Use Target Reading Skills

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



How Waves Form (p. 296)

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

2. What part of the water is affected by a wave in deep water?

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Waves (*continued*)

3. Circle the letter of each sentence that is true about a wave approaching land.
 - a. It begins to drag on the bottom.
 - b. It encounters more friction.
 - c. It speeds up.
 - d. It moves the water toward the land.

Erosion by Waves (pp. 297–298)

4. Is the following sentence true or false? Waves are the major force of erosion along coasts. _____
5. List two ways that waves erode land.
 - a. _____
 - b. _____
6. Part of the shore that sticks out into the ocean because it is made of harder rock is called a(n) _____.
7. List three landforms created by wave erosion.
 - a. _____
 - b. _____
 - c. _____

Deposits by Waves (pp. 299–300)

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 spit form?

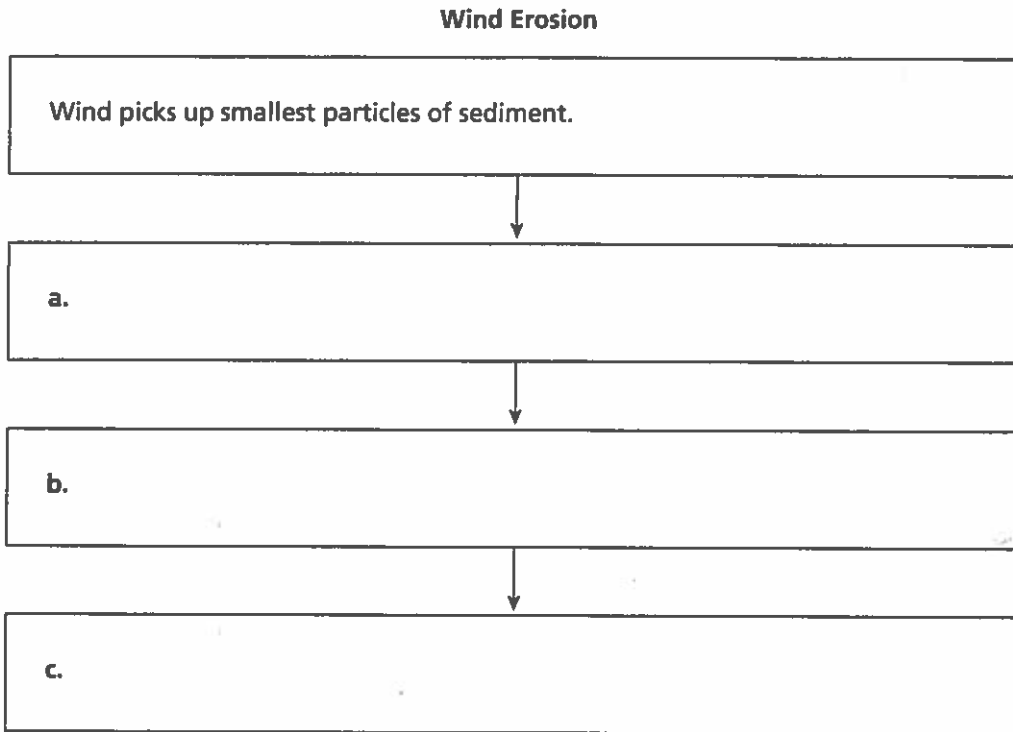
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Wind (pp. 301–303)

This section describes how wind causes erosion. The section also describes the types of deposits that are caused by wind.

Use Target Reading Skills

As you read about wind erosion, fill in the flowchart to show the sequence of events.



Introduction (p. 301)

1. A deposit of wind-blown sand is a(n) _____.

How Wind Causes Erosion (pp. 301–302)

2. Is the following sentence true or false? Wind is the strongest agent of erosion. _____
3. Why is wind effective in causing erosion in deserts?

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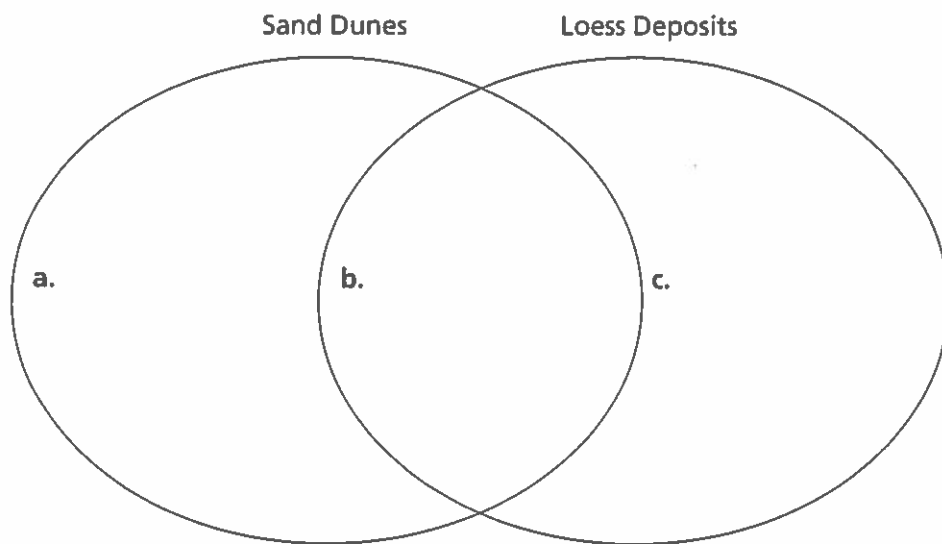
Wind (continued)

- 4. Circle the letter of each sentence that is true about deflation.
 - a. It is the main way wind causes erosion.
 - b. It usually has a great effect on the land.
 - c. It can create blowouts.
 - d. It can create desert pavement.
- 5. Circle the letter of each sentence that is true about abrasion by wind-carried sand.
 - a. It can polish rock.
 - b. It causes little erosion.
 - c. It causes most desert landforms.
 - d. It causes most erosion.

Wind Deposition (p. 303)

- 6. Is the following sentence true or false? All the sediment picked up by wind eventually falls to the ground. _____
- 7. When does wind-carried sediment fall to the ground?

- 8. List two types of deposits formed by wind erosion and deposition.
 - a. _____
 - b. _____
- 9. Complete the Venn diagram by adding the following phrases: have finer sediments, have coarser sediments, result from wind erosion.



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

Erosion and Deposition • Key Terms

Key Terms

Use the clues to help you unscramble the key terms. Then put the numbered letters in the right order to spell out the answer to the riddle.

Clues	Key Terms
1. It's how sediment moves.	sorineo _____ 1 2
2. It's how sediment settles.	oisontipde _____ 3
3. It's a small particle that moves.	ideemtns _____ 4 5
4. It's how much sediment a river carries.	adol _____ 6
5. It's the force that opposes motion of one surface across another.	nfcotiri _____ 7
6. It's how rocks are polished.	barinoas _____ 8 9
7. It can be found where a river enters a lake.	ldtae _____ 10
8. It sticks out into the ocean.	aahlnded _____ 11
9. It's formed by a chunk of ice.	teketl _____ 12
10. It sticks out in the water like a finger.	ipst _____ 13
11. It's a ridge at the edge of a glacier.	noamire _____ 14
12. It's a deposit of clay and silt.	seols _____ 15
13. It's how most wind erosion occurs.	otefdalni _____ 16
14. It flows into a larger stream.	tutyrabir _____ 17 18
15. It's a kind of lake created by a river.	wxoob _____ 19
16. It's the ability to do work or cause change.	ynreeg _____ 20

Riddle: What shapes Earth's surface?

Answer: _____
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20