

I'm not robot!

- 7) The movement of broken-down pieces of rock from one place to another is called
 - a) erosion
 - b) weathering
 - c) deposition
 - d) weathering
- 8) In a stream valley, which of these can increase the amount of erosion?
 - a) The rate of water flow
 - b) The size of the rocks
 - c) The amount of water in the valley
 - d) Putting a barrier in the water path
- 9) A narrow ridge of rock and soil that moves slowly down a mountain can carry rocks and sediments from one place to another is called a
 - a) glacier
 - b) stream
 - c) sandbar
 - d) moraine
- 10) Which process below shows pieces of rock returning being moved over?
 - a) Erosion
 - b) Deposition
 - c) Weathering
 - d) Erosion
- 11) What are some ways in which sediment can be transported?
 - a) Wind
 - b) Water
 - c) Gravity
 - d) All of the above
- 12) The erosion and deposition of rocks, soil and sediments and pebbles in a stream is called
 - a) weathering
 - b) erosion
 - c) deposition
 - d) weathering
- 13) The third one flow down is called
 - a) erosion
 - b) deposition
 - c) weathering
 - d) erosion
- 14) Which of these is not a type of erosion?
 - a) Water erosion
 - b) Wind erosion
 - c) Gravity erosion
 - d) Human erosion
- 15) Which process occurs when waves carry and drop sediments into a beach?
 - a) Erosion
 - b) Deposition
 - c) Weathering
 - d) Erosion

Name: _____ Date: _____

Weathering, Erosion, and Deposition


Think about what you have seen and learned about erosion to complete the chart below.

	Weathering	Erosion	Deposition
1. The roots of a plant grow in the cracks of a sidewalk. As the roots grow larger the cement begins to crack.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. A delta is formed at the mouth of a large river.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. A ribbon of sand runs along the edge of a large rock and wind and blows the rock.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. The dropping of sediment to a new location.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Mud and sand are blowing in the air during a windstorm.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Ice melted in the crack of a large boulder and carried away loose sediment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Mud to fill the point on an eroding beach begins to crack.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Moving sand covered to a ridge forming a sand dune.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. The moving of weathered sediment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. The wearing down or breaking of rocks.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>




Erosion

When rock and sediment are picked up and transported from one place to another by means of wind, water, ice, or gravity.




Weathering

The process that breaks down rock and other substances on Earth's surface.



Deposition

The process that occurs when the agents of erosion deposit or lay down sediment.



Name: _____ Date: _____

Weathering, Erosion and Deposition Homework

Directions: Read the statements and classify each process as weathering, erosion and deposition. Write the letter that is associated with it into the box of the process that corresponds with it.

Weathering	Erosion	Deposition

- A. Breaking down and or wearing away of earth materials.
- B. Results in wind or water forming beaches, barrier islands, and sand bars.
- C. Occurs when gravity's downward pull on sediment is greater.
- D. Is the movement of weathered materials.
- E. Can be mechanical or chemical.
- F. Movement by water, wind, or gravity.
- G. No movement of sediment is involved.
- H. Human activities such as construction increase this process.
- I. Must occur before erosion can take place.

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Name: _____ Date: _____ Section: _____

Riddles/Clues

Word Bank: Deposition, Weathering, and Erosion

1. I can break things down. I can even start to chip away and break rocks if you give me enough time.

What am I? 10 pts.

Which 2-3 key words (phrases) gave me away? 3 pts. per word
2. I am a collector. I put all the sediment in one place and it settles there.

What am I? 10 pts.

Which 2-3 key words (phrases) gave me away? 3 pts. per word
3. I am a mover. I am always on the go. It's very hard to keep me from moving sediment from one place to another.

What am I? 10 pts.

Which 2-3 key words (phrases) gave me away? 3 pts. per word

Weathering, erosion, and deposition are processes that act together to wear down and build up the Earth's surface. These processes have occurred over billions of years. Weathering is any process that breaks down rocks and creates sediments. There are two forces of weathering, chemical and mechanical (physical). Chemical weathering is decomposition of rock caused by chemical reactions resulting in formation of new compound. Mechanical (physical) weathering is the breakdown of rock into smaller pieces. Erosion is the process by which natural forces move weathered rock and soil from one place to another. Gravity, running water, glaciers, waves, and wind all cause erosion. The material moved by erosion is sediment. Deposition occurs when the agents (wind or water) of erosion lay down sediment. Deposition changes the shape of the land. Erosion, weathering, and deposition are at work everywhere on Earth. Gravity pulls everything toward the center of Earth causing rock and other materials to move downhill. Water's

movements (both on land and underground) cause weathering and erosion, which change the land's surface features and create underground formations. The effects of these processes are as follows:Changes in shape, size, and texture of land-forms (i.e. mountains, riverbeds, and beaches)LandslidesBuildings, statues, and roads wearing awaySoil formationWashes soil, pollutants, harmful sediments into waterwaysCauses metals to rustReduces beaches, shorelinesDelta formationFormation of various new landforms



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