

Topics:

- 1- Geology and geologist.
- 2- Ocean floor features.
- 3- Weathering and types of weathering. (Physical weathering, chemical weathering, and biological weathering)
- 4- Erosion.
- 5- Deposition.

1- Geology and Geologist.

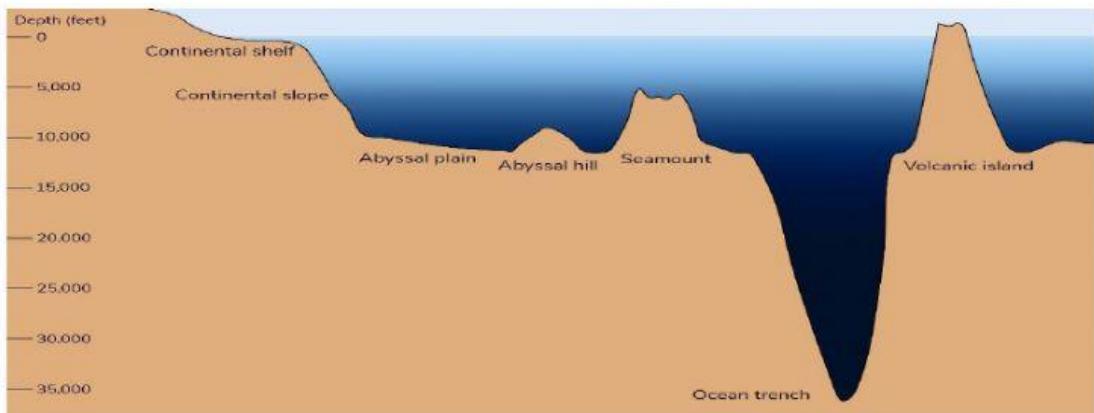
Geology is the study of the physical features and history of Earth. Scientists who work in geology are called **geologists**.

Geology is an important science for many reasons. It answers questions about how Earth came to have its present shape and form. It is useful for finding important materials in Earth's crust, such as oil. Geology is also helpful for predicting earthquakes and other natural hazards.

1- Geologists are scientists that study_____.

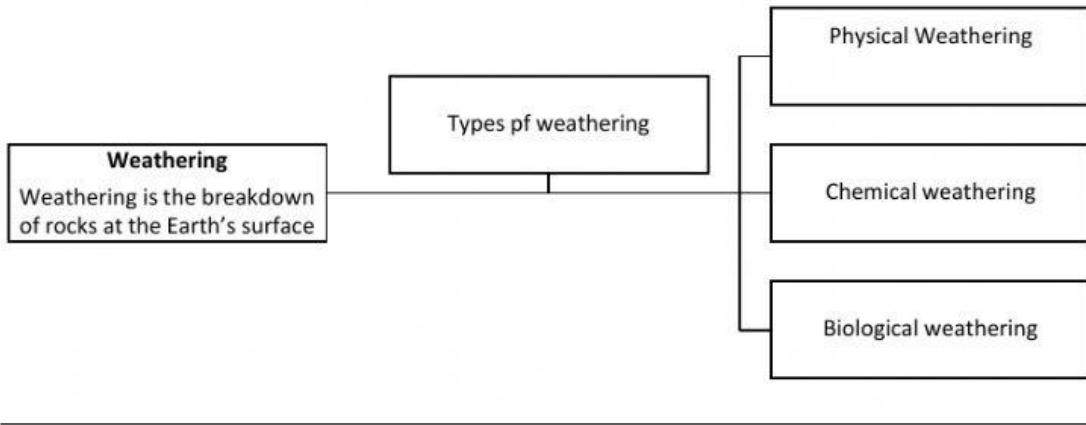
- A. Earth
- B. lakes
- C. rivers
- D. animals

2- Ocean floor features.



- 1- The Flat, deep, and smooth part of the ocean floor is called the
- 2- What is a deep, underwater valley or canyon on the ocean floor?
- 3- When you are building a sand castle on the beach, what feature are you standing on?
- 4- Sand, Mud, and rocks that are found on the ocean floor are called?

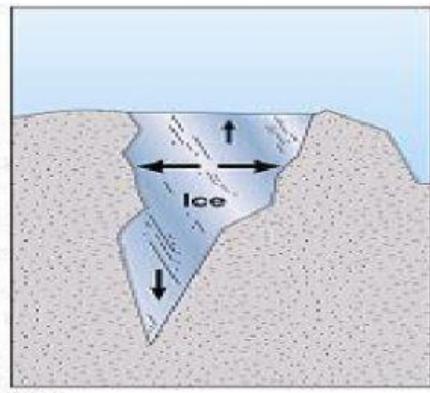
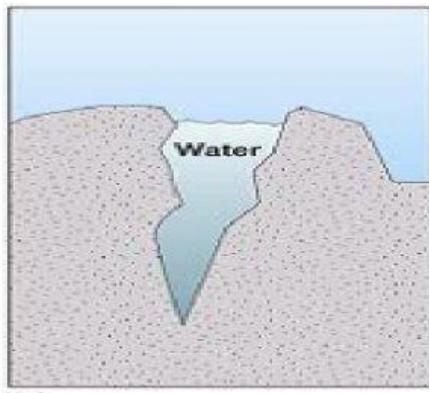
3- Weathering and types of weathering



Examples:

Weathering breaks it down.		
Physical Weathering	Chemical Weathering	Biological Weathering
Water  Wind  ICE  Gravity 	RUST  Water  Acid Rain  	Roots  Lichen  Animals & Insects  Humans 

Ice wedging: happens whenever water is able to get into small cracks in rock or other material and freeze. While freezing, the water expands and causes the crack to widen.



Match the terms to their definitions. Write the proper letter in front of each definition.

(.....) weathering caused by the action of freezing water

A. chemical Weathering

(.....) weathering caused by plants roots.

B. weathering

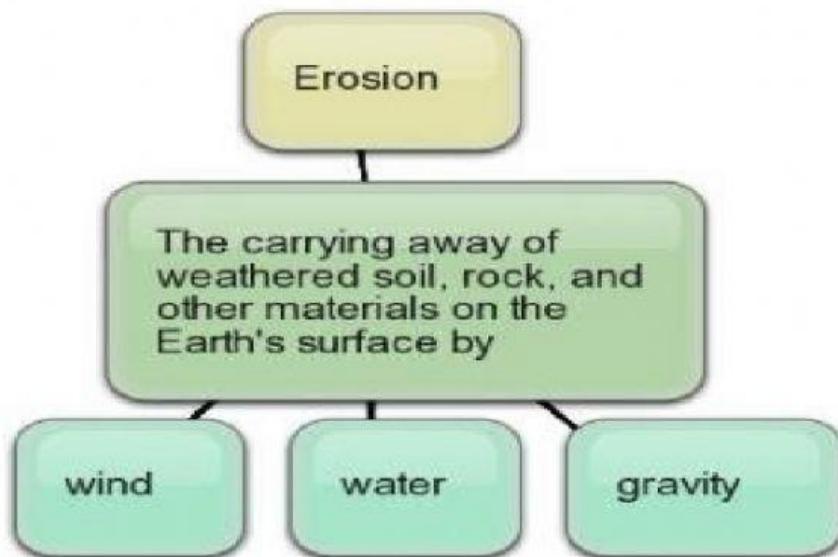
(.....) Type of weathering caused by acid rain.

C. Physical Weathering

(.....) The breaking down of rocks

D. Biological Weathering

4- Erosion.



1- Which of these is an example of erosion

- A. Light Shining onto a mountain
- B. Rain breaking down rock
- C. Wind blowing away sediment

2-What happens when weathering and erosion work together?

- A. New Mountains are created
- B. The climate changes overnight
- C. Metal objects become rusty
- D. They change the Earth's surface

What are the three agents of erosion?

- 1-.....
- 2-.....
- 3-.....

5- Deposition

Weathering

The breaking down or disintegration of substances such as rocks and minerals by physical, chemical, or biological processes



Erosion

The movement of sediment or soil from one location to another by means of water, ice, or wind



Deposition

When particles carried by water, ice, or wind are deposited (dropped) in another location



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Deposition examples:

Waves dropping sand on the beach.

Layers of sediment forming at the bottom of the ocean floor.

What does deposition mean?