

Which of the following best defines climate?

Learning Outcomes Covered

- o SCI.3.1.03.012

a.

Rainstorms that include lightning and thunder

b.

Large region of air that has a similar temperature and humidity

c.

A condition of the atmosphere at a given place and time

d.

The average weather pattern of a region over time

Which of the following best defines erosion?

Learning Outcomes Covered

- o SCI.2.3.03.011

a.

Very cold places with thick sheets of ice

b.

A place that floods easily when river water rises

c.

The process of eroded materials being dropped off in another place

d.

The process of weathered rock moving from one place to another

Why it is important to clean, conserve, and protect water?

Learning Outcomes Covered

- SCI.4.4.01.035

a.

Water is expensive

b.

Water is a living thing

c.

Water can be frozen

d.

Water is a limited resource

What can you do to help conserve water?

Learning Outcomes Covered

- SCI.4.4.01.037

a.

Take short showers instead of baths

b.

Grow plants that require a lot of water

c.

Turn on the water when you brush your teeth

d.

Wash your clothes using long programs

Which of the following is one-way humans pollute the hydrosphere?

Learning Outcomes Covered

- SCI.4.4.02.006

a.

Fishing

b.

Using fertilizers

c.

Going on a paddle boat

d.

Cleaning up an oil spill

How are glaciers and oceans different?

Learning Outcomes Covered

- 2.3.04.006

a.

Oceans contain salt water and glaciers contain fresh water

b.

Oceans contain fresh water and glaciers contain salt water

c.

Oceans are difficult for humans to use and glaciers are easy for humans to use

d.

Oceans are easy for humans to use and glaciers are difficult for humans to use

A scientist is creating a plan to prevent further acid rain damage to the ecosystem shown below. What should the scientist include in the plan?



Learning Outcomes Covered

- o SCI.2.1.03.003

a.

Ask people to drive more instead of walking or biking

b.

Develop vehicles that burn more gasoline per mile driven

c.

Develop vehicles that use renewable energy instead of fossil fuels

d.

Use more cars that use fossil fuels

Less than 1 percent of Earth's freshwater is readily available for human and animal use. Where is the majority of the remaining freshwater?

Learning Outcomes Covered

- 2.3.04.006

a.

In ice caps and glaciers

b.

In the atmosphere

c.

In the oceans

d.

In lakes and rivers

Which earth system is responsible for what is happening in the figure below?



Learning Outcomes Covered

- o SCI.4.4.01.038

a. **Biosphere**

b. **Geosphere**

c. **Hydrosphere**

d. **Atmosphere**

What can you infer about the percentage of ground ice and permafrost if the table below shows all sources of fresh water (100%)?

Source	Percentage (%)
Ground Ice and Permafrost	?
Lakes and Rivers	21.4
Groundwater	3.8
Other	5.8

Fresh water source percentages

Learning Outcomes Covered

- SCI.3.3.02.005

a.

The percentage of ground ice and permafrost is the same as groundwater

b.

The percentage of ground ice and permafrost is greater than any other source

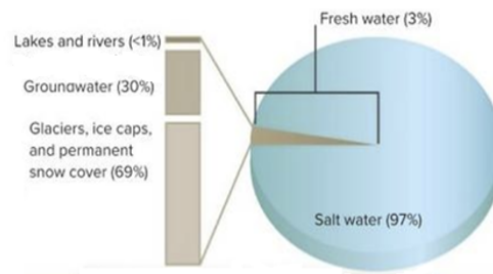
c.

The percentage of ground ice and permafrost is less than any other source

d.

The percentage of ground ice and permafrost is the same as lakes and rivers

Based on the pie graph below, what can you infer about water on Earth?



Learning Outcomes Covered

- 2.3.04.006

a.

Freshwater is abundant on Earth, while saltwater is limited

b.

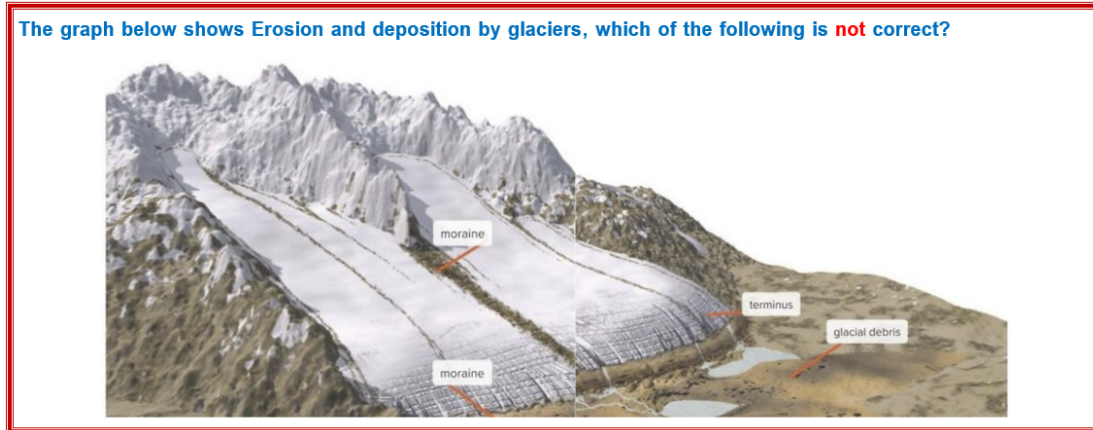
Saltwater is abundant on Earth, while freshwater is limited

c.

There is an equal amount of saltwater and freshwater on Earth

d.

Freshwater is located mostly in lakes and rivers

**Learning Outcomes Covered**

- SCI.1.2.01.008
- SCI.4.4.01.038

a.

A glacier can make a valley wider and steeper

b.

As the glacier moves, it tears rocks from the ground

c.

Ice near the ground melts down under the pressure of the snow above

d.

The glacier drops most of its debris in the top of the hill

In the image below, all of earth's liquid and solid water make up the



Learning Outcomes Covered

- SCI.1.1.01.013
- SCI.4.4.01.038

a.

Biosphere

b.

Geosphere

c.

Atmosphere

d.

Hydrosphere

Which of the following is **not** an effect of the geosphere?

Learning Outcomes Covered

- SCI.4.4.01.038

a.

Volcano

b.

Landslide

c.

Mountain

d.

Flooding

Which of the following statements about erosion is **not** correct?

Learning Outcomes Covered

- o SCI.2.1.03.003

a.

Erosion might be caused by moving water

b.

Erosion might be caused by the movement of glaciers

c.

Erosion might be caused by the sunlight

d.

Erosion might be caused by rivers

Which type of storm is caused by a front between a warm, humid air mass and a cold dry air mass?

Learning Outcomes Covered

- SCI.1.1.01.014
- SCI.4.4.01.038

a.

Dust storm

b.

Tropical storm

c.

Sand storm

d.

Winter storm