

Lesson Check: Effects of the Hydrosphere

1) Which of the following can happen when water interacts with rock formations? Select **all** that apply.

- climate changes
- a canyon forms
- sediment forms
- rain falls
- high tide occurs

2) How does evaporation lead to precipitation?

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3) Fill in the blanks using the available answer choices.

A _____ can be caused by winds and waves from a hurricane forcing water
(Blank 1)
onshore.

Blank 1 options

- floodplain
- storm surge

4) All of Earth's liquid and solid water make up the _____.

5) Which is an example of a process that can slowly change the surface of Earth?

- earthquakes
- glaciers
- volcanoes
- landslides

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6) How does the hydrosphere interact with the geosphere?

7) Anna goes to the same beach with her family every summer. This year she noticed that the beach was smaller than last year. What might have caused the beach to change over the years?

- A volcano erupted and lava flowed over the beach.
- The cold weather caused the beach to change.
- Wind and water eroded the beach.
- Oxygen in the air reacted with the sand.

Student Name: _____

Date: _____

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- 8) Mountains are often found along the ocean coastline of the United States.
Explain **two** ways that the hydrosphere affects the geosphere for this kind of coastline.