



Earth's Systems: Water and Weather

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. Which event best shows the geosphere affecting the atmosphere?

- A) A volcano erupting and releasing ash
- B) A river flowing into the sea
- C) A polar bear hunting on sea ice
- D) A cloud forming over a lake

2. If a wetland is drained for farming, which result is most likely?

- A) More fish living there
- B) Less wildlife habitat and lower water storage
- C) Stronger storms forming overhead
- D) More glaciers in the region

3. Why is freshwater considered a limited resource even though Earth looks blue from space?

- A) Most freshwater is too cold to drink.
- B) Only certain people are allowed to use freshwater.
- C) Almost all of Earth's water is salty or frozen.
- D) Freshwater evaporates faster than salt water.

4. Which is the best example of climate rather than weather?

- A) A snowstorm shutting down schools today
- B) Rain expected this Friday
- C) Antarctica being cold and dry for centuries
- D) A heat wave starting tomorrow

Part B: Fill in the Blank

Write the correct answer on each line.

1. When forests are replanted, more water moves from soil into the air through plant _____.

2. A long, severe storm in the atmosphere can erode soil, affecting the _____.

3. Reading a passage about a city running low on water, you identify the issue as a problem of _____ water supply.

4. If sea ice melts, polar bears lose habitat, showing how the hydrosphere change affects the _____.

5. Long-term warming caused by greenhouse gases describes a change in Earth's _____.

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Part B: Fill in the Blank

Write the correct answer on each line.

1. When forests are replanted, more water moves from soil into the air through plant transpiration .

2. A long, severe storm in the atmosphere can erode soil, affecting the geosphere .

3. Reading a passage about a city running low on water, you identify the issue as a problem of freshwater water supply.

4. If sea ice melts, polar bears lose habitat, showing how the hydrosphere change affects the biosphere .

5. Long-term warming caused by greenhouse gases describes a change in Earth's climate .