



Earth's Systems: Water and Weather

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. Hurricane Katrina hit New Orleans in 2005, flooding the city when levees broke. Which sphere change directly caused the flooding?

- A) Hydrosphere water overwhelmed the geosphere barriers
- B) Biosphere plants stopped absorbing rainfall
- C) Atmosphere lost all its oxygen
- D) Sun stopped warming the ocean water

2. California's drought from 2012 to 2016 reduced reservoir levels statewide. What likely happened to crops during this drought?

- A) Crops grew faster from the heat
- B) Crops failed due to insufficient water
- C) Crops needed less sunlight
- D) Crops became more nutritious automatically

3. Bangladesh floods displace millions when monsoon rains overwhelm rivers each year. Which factor makes Bangladesh especially vulnerable?

- A) Mountainous terrain blocks drainage
- B) Cold temperatures freeze the rivers
- C) Low elevation near the Bay of Bengal
- D) Lack of any rainfall in the region

4. Antarctic ice sheets are melting faster as global temperatures rise. What is the most likely long-term result?

- A) Oceans will become smaller everywhere
- B) Polar bears will move to deserts
- C) The sun will cool down significantly
- D) Sea levels will rise, flooding coasts

Part B: Fill in the Blank

Write the correct answer on each line.

1. If global temperatures rise 2 degrees Fahrenheit, glaciers will likely _____ faster.
2. Hurricane Katrina caused massive flooding because the _____ broke under water pressure.
3. When monsoon rains exceed normal amounts, low-lying countries experience severe _____.
4. Drought in California reduced water for crops, making food prices _____ across the country.
5. Rising sea levels from melting Antarctic ice threaten low-lying _____ communities first.

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