

Name: _____

TESTING THE WATERS PAGE 14

DIRECTIONS: Answer the following questions in complete sentences.

1. Explain how the water supply in Flint, Michigan, became contaminated with lead in 2014. _____

2. Why is lead exposure dangerous for children? _____

3. Explain what occurs inside Gitanjali's device if the water being tested contains lead. _____

4. Describe one way Gitanjali is optimizing her lead-testing device. _____

5. Do you think a device that allows individuals to test their water is important? Use evidence to support your answer.

MAPPING MANGROVES PAGE 20

DIRECTIONS: Match each item in the left column below with its definition in the right column.

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| _____ 1. intertidal zone | a. a method of studying the physical characteristics of Earth using technology like satellites |
| _____ 2. adaptation | b. an area along a coast that is located between the levels of high tide and low tide |
| _____ 3. photosynthesis | c. the process of wearing away by water, wind, or other forces |
| _____ 4. remote sensing | d. to break down |
| _____ 5. greenhouse gas | e. the process by which plants use sunlight, water, and carbon dioxide to produce food |
| _____ 6. food web | f. naturally occurring loose particles of material such as soil, sand, or silt |
| _____ 7. sediment | g. a characteristic of an organism that helps it survive in its environment |
| _____ 8. erosion | h. a working model of a new design |
| _____ 9. prototype | i. a gas in Earth's atmosphere that absorbs heat |
| _____ 10. decompose | j. an interconnected system of plants and animals through which energy is transferred through an ecosystem |