Extension Worksheet 1

Name: _____ Class: _____ Date: _____

1. A student took two samples of water and stored them in two jars. Sample A contains water extracted from a large, deep body of water. Sample B was taken from a shallower and smaller body of water.

Sample A

Sample B

a. According to this description, decide whether each sample came from an ocean or a lake.

Sample A: _____

Sample B: _____

b. Considering their origin, what characteristics do you think the samples have?

Sample A	Sample B
_____	_____
_____	_____
_____	_____

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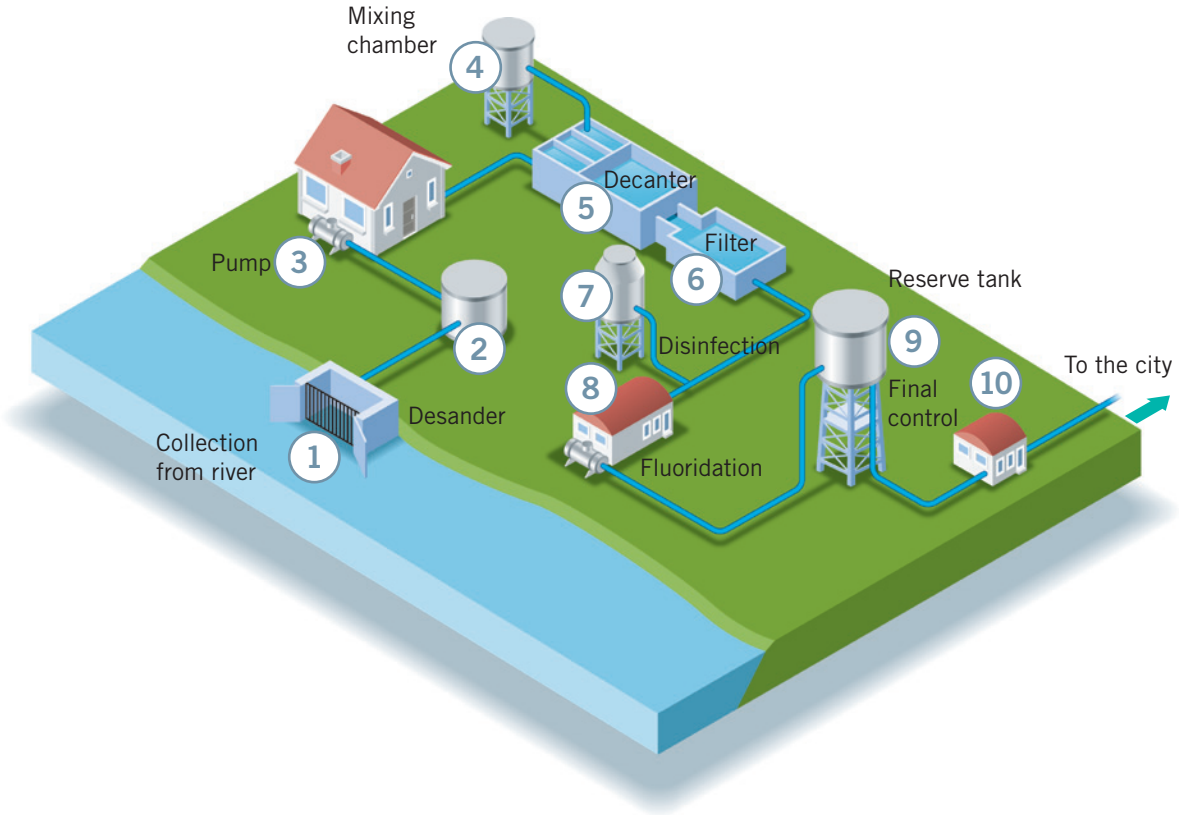
Extension Worksheet 2

Name: _____ Class: _____ Date: _____

1. Look at the image of a water purification plant. Read the text and answer the questions on the next page.



1. Water is collected from a natural source; in this case, a river. A screen blocks large objects, such as tree trunks and branches.
2. Dirt and sand in the water sinks to the bottom of a sand trap tank.
3. Water is pumped to a mixing chamber.
4. Chlorine and other cleaning chemicals are added to the water.
5. The water is stored in a large container for a period of time so that any impurities still present sink to the bottom.
6. The water passes through a filter that removes the smallest particles.
7. Chlorine is added again to the water to eliminate harmful bacteria.
8. Fluoride, which strengthens teeth, is added to the water.
9. The water is stored in a reserve tank.
10. Final inspections are made before sending the water to homes.

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a. What is the purpose of this plant?

_____

b. What other natural sources do you think water could be collected from?

_____

c. What are the largest objects that the plant removes from water? Where are they removed?

_____

_____

d. What removes the smallest particles?

_____

e. What roles do chlorine and fluoride play in the process?

_____

_____

2. Research and write about each type of water pollution.

a. Domestic Pollution: _____

_____

b. Industrial Pollution: _____

_____

c. Agricultural Pollution: _____

_____

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