

Student Resources

Name: _____ hr: _____

Water for the People and the Planet

Directions: Answer each question to the best of your ability.

1. Why is it important to learn about the water use of other cultures?

2. How much of the Earth's water is available for humans and other land animals to drink? You do not have to give an exact number, but you must explain your estimation.

3. Number the following places in order to show how water gets to and leaves your house. The smallest number is the where the water originates. The largest number will be the place the water ends. Your house will be somewhere in the middle. Some place could have more than one number.

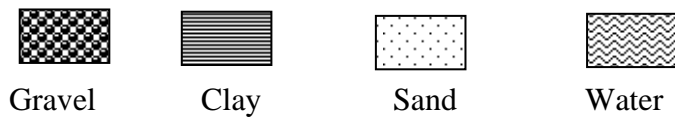
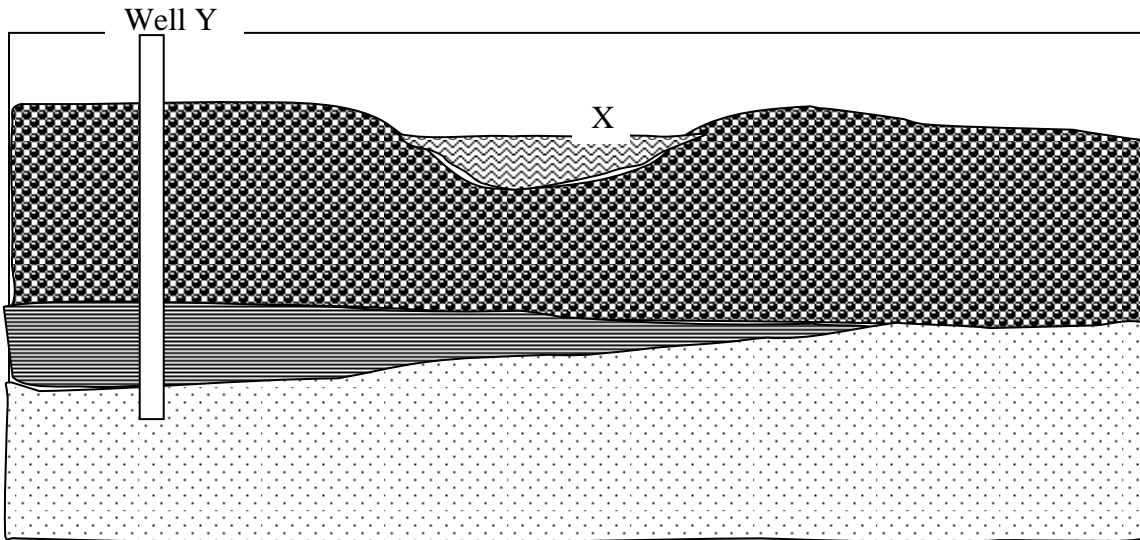
Number	Place
	Your house
	Waste water treatment plant
	Well
	River
	Your facet
	Sewer
	Drinking water treatment plant
	Water pipes to and from your house
	Your drain

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4. Below is a picture of a groundwater system. A drop of water enters the system at point X and ends up being pumped out of the well at point Y. Draw on the diagram a potential path of the water molecule.

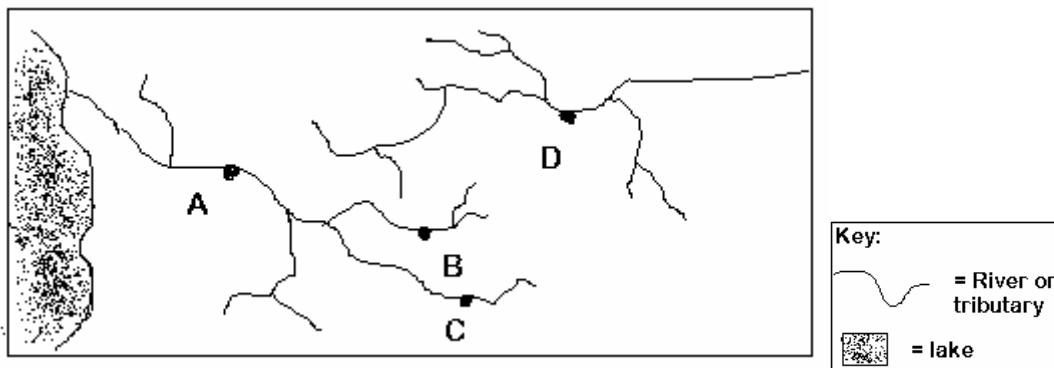
Cross Section



In the space below, explain why you drew the path the way that you did.

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5. Answer the following questions based on the map of a watershed above.

- a. If a pollutant was put into the river at town A, which towns (if any) would be affected by the pollutant? Explain why you chose the towns you did.

Towns: _____

Explanation:

- b. If a pollutant was put into the river at town C, which towns (if any) would be affected by the pollutant? Explain why you chose the towns you did.

Towns: _____

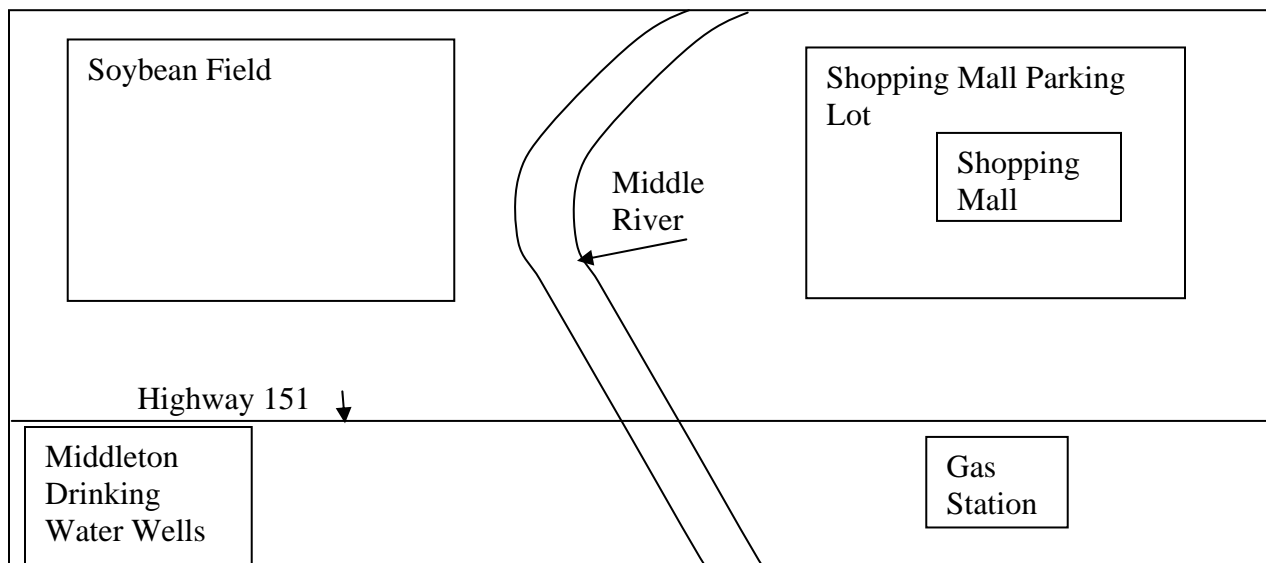
Explanation:

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6. The map below shows the town of Middleton. Choose one of the following locations and complete the table below. Explain how the location you choose might be a source of groundwater pollution for the Middleton drinking water wells.

Soybean Field
Shopping Mall
Gas Station



Location	Source of Pollution	How it gets to the Middleton Drinking Water Wells.
Example: Highway 151	Example: Salt used to melt ice & snow in the winter.	Example: Snow melt includes dissolved salt. Snow melt infiltrates into the ground and contaminates the ground water. The contaminated groundwater travels to the Middleton Drinking Water Wells.

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7. Wetlands and wastewater treatment plants both clean up water. Explain how a waste water treatment plant is similar to a wetland.

8. When thinking about water as a resource, would you consider it a resource that we:

- a. could run out of
- b. can be used over and over again
- c. will never use up
- d. some combination of these three.

Circle your choice above then explain your choice.
