

# Surface Water and the Water Cycle

Directions – complete the following activities to learn where surface water is located and how it is a part of the water cycle.

## Activity 1 – Exploring Watersheds

Go to [dixiemiddlescience.weebly.com](http://dixiemiddlescience.weebly.com) and click on the “Exploring Watersheds” button. This will take you to the website needed to complete activity 1.

Read the introduction paragraph in the gray box on the left.

1. What is a watershed?

Click on “Watershed Activity” on the right and read “How to Play”.

2. Explain the following terms
  - a. Headwaters
  - b. Main stem
  - c. Tributaries
  - d. Secondary tributaries
  - e. Watershed boundary

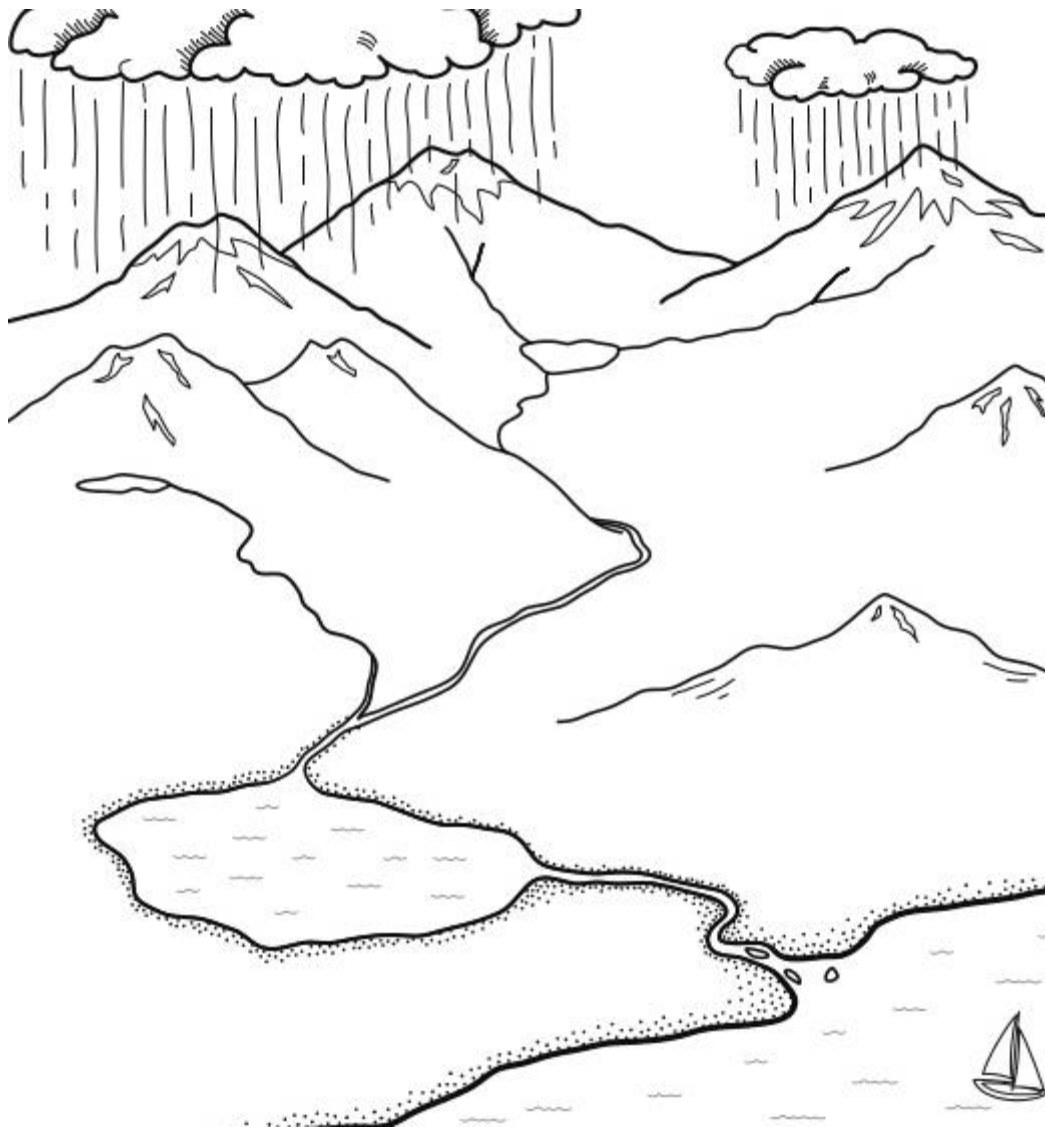
## Click on “Human Factors”

Place the icon for each human factor on the map and describe how it affects a watershed. Placing the icon can be a little tricky, just make sure you place it in a spot that the building/feature could be built in reality. For example, place the farm in a flat, grassy area.

Human Factor	Effect on Watershed
Farm	
Dam	
Park	
Mall	
School	
Homes	
Port	
Water Treatment Plant	

## Activity 2 – Watersheds Diagram

Directions - use the picture below to label the different parts of a watershed and to answer the analysis questions.



1. **Label** and **color** each of the following on the watershed diagram. Each word should have its own color, to easily identify where it is on the picture.
  - a. Headwaters
  - b. Mainstream
  - c. Tributary
  - d. Secondary tributary
  - e. Watershed boundary
2. Explain everything that makes a watershed.
3. Do you think a smaller watershed can exist in a larger watershed? Explain why.
4. Which watershed do you live? Think about it!