



The UPS and DOWNS of the Water Cycle

Name _____ Date _____

Define

Water cycle or hydrologic cycle _____

Atmosphere _____

Precipitation _____

Evaporation _____

What are the positive and negative effects of precipitation on the river?

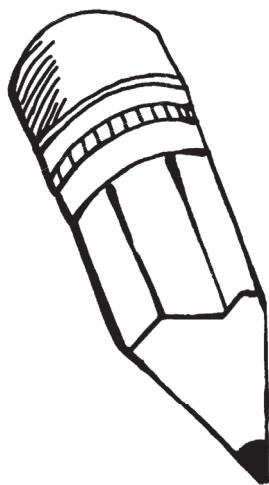
Think about the river food chain, agriculture, and floods. Are there other things you should think about?



Create an evaporation experiment

Materials needed: 2 glasses (can be clear plastic), 500 ml (17 ounces) of water, grease pencil (so you can erase with a cloth)

- 1 Fill each glass halfway with 250 ml (8.5 ounces) of water. Mark the water lines with the grease pencil. Write the date next to the line.
- 2 Place one glass in a warm, bright area. Place the other glass in a cool, dark area.
- 3 Visit the glasses every 48 hours for a period of one to two weeks, depending on how much evaporation you want to observe and how many data points you want to record.
- 4 At each visit, mark the water line on each glass and write the date next to the line.
- 5 At the end of the observation period, compare glasses.



1. Which one has more water? _____

2. Did more water evaporate from the glass in the warm area? Why?

3. What other factors influence the rate of evaporation? How?

Since you have used a grease pencil, you can take a cloth and wipe off the markings. Then you can redo the experiment and see if you get the same results.

Bonus Question!

Fill a glass half full with water and put it on the table in front of you. Take a good, long look at the water. Can you guess how old it is? _____

