

Humans in the Critical Zone
Unit 1: Model My Watershed
Please Circle: Pre / Post Test

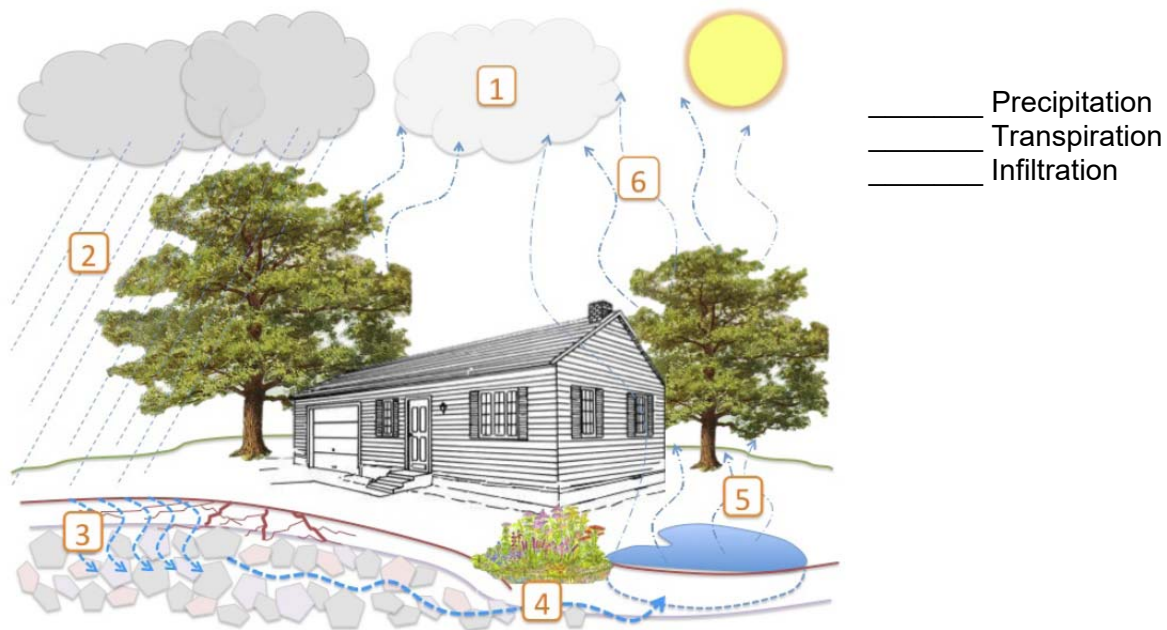
Q1a. A watershed is:

- ☐ the land next to a stream or river that often floods after a large rain storm
- ☐ a building built over a spring where people collect water
- ☐ the land area where all rain drains into a single river, lake or stream
- ☐ the process of water running downhill towards a stream, river or lake

Q1b. How confident are you of your answer – Do you know the answer?

- ☐ I know it; ☐ Think so; ☐ Unsure; ☐ No idea

Q 2. Using the figure below, match a number to the corresponding part of the water cycle.



Q3. Fill in the blank.

_____ is the study of water and its movement on and through the earth.

Q4a. Which of the following land uses would likely result in the least amount of storm water runoff?

- ☐ a baseball field
- ☐ a parking lot
- ☐ a forest
- ☐ a lawn

Q4b. How confident are you of your answer – Do you know the answer?

- ☐ I know it; ☐ Think so; ☐ Unsure; ☐ No idea

Q5a. Meteorologists predict the weather by using models. Models allow scientists to understand how processes work. Which of the statements is NOT a true statement about models?

- ☐ Models are representations of real objects or processes.
- ☐ Models are 100% accurate.
- ☐ Models use large amounts of data to make predictions of real systems.
- ☐ Models simulate large-scale experiments that would be too costly or impossible to actually perform.

Q5b. How confident are you of your answer – Do you know the answer?

- ☐ I know it; ☐ Think so; ☐ Unsure; ☐ No idea

Q6a. Look at the figure below. What combination of three best management practices could be added to this house or yard that would minimize stormwater runoff?



- ☐ Table with umbrella, solar panels and livestock
- ☐ Rain gardens, porous pavers and rain barrel
- ☐ Wind turbine, green roof and submerged cistern
- ☐ Solar panel, rain barrel and bird bath

Source: Wikimedia Commons
<http://www.flickr.com/photos/miala/70533258/>

Q6b. How confident are you of your answer – Do you know the answer?

- ☐ I know it; ☐ Think so; ☐ Unsure; ☐ No idea

Q 7. Fill in the blanks.

This picture shows evidence of _____.

The movement of _____ can cause this process.