

Groundwater & Karst Topography

Name: _____ Date: _____ Pd: _____

Answer the following questions in complete sentences. Provide drawings where appropriate.

- 1.) What is the *hydrologic (water) cycle*?

- 2.) **Explain** why groundwater is such an important commodity/resource not only to humans, but also to the environment?

- 3.) Geologically, groundwater is important as an erosional agent. Identify **AND** describe another significant geological role of groundwater.

- 4.) Groundwater is distributed into two distinct zones. Identify **AND** explain how they are different.
 - a.

 - b.

- 5.) What are two factors that influence the storage and movement of groundwater? Identify **AND** explain how they are different.
 - a.

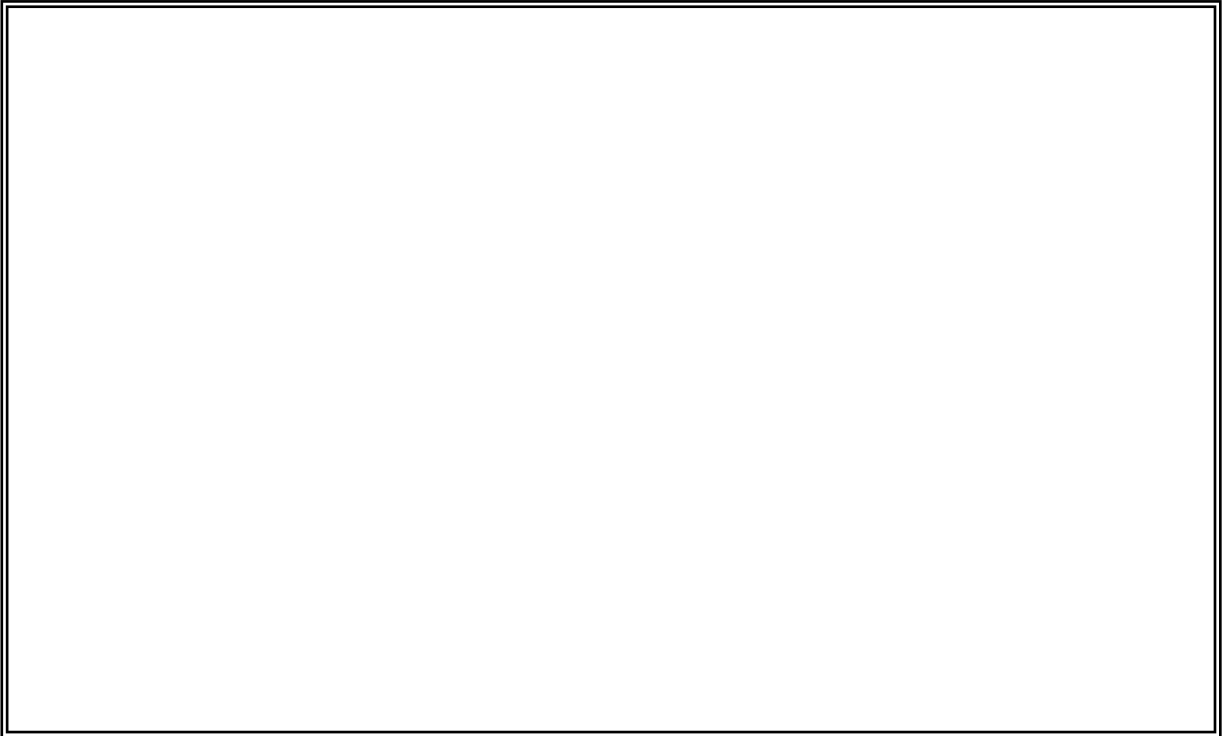
 - b.

- 6.) Support your answers to **#4 and #5** with an *illustration* in the box below.



7.) a. What is an *aquifer*?

b. Support your answer with an *illustration* in the box below.

A large, empty rectangular box with a double-line border, intended for the student to draw an illustration of an aquifer.

8.) What are some environmental problems and concerns regarding groundwater? **Describe** some of these concerns in detail.

9.) What exactly is *karst topography*? **Explain**.

10.) What geographic characteristics are necessary for karst topography to develop?

11.) What is a *sinkhole*? **Describe** two ways that a sinkhole can be created.