**Hippocampus Water Reading Assignment**

***Go to*** [***http://hippocampus.org***](http://hippocampus.org)

***Under “Subjects”, click on “Environmental Science for AP”***

***On “Course” tab, choose “Course View”***

***Expand “Unit 1”***

***Choose “Chapter 2”***

***Choose “Lesson 7 – Water Cycle”***

***Read “Text” and take notes***

***Watch “Animation” and take notes (make sure the sound is on)***

**Text – Lesson 7**

1. What are the physical characteristics of water?
2. What interconnections are involved in the hydrologic cycle?
3. Define evaporation, transpiration, condensation, precipitation, surface runoff, infiltration, percolation, groundwater, water table, and aquifer.
4. How do humans impact the water cycle?

**Animation – Lesson 7**

1. Give an overview of the water cycle. (Use the terms from number 3 above.)

***Expand “Unit 3”***

***Choose “Chapter 9”***

***Under “Readings”, skim the “Objectives” and read the “Summary” Note: You have to click “Chapter 9” to get back to the menu each time***

***Choose “Lesson 41 – Introduction”***

***Read “Text” and take notes***

***Watch “Animation” and take notes (make sure the sound is on)***

**Text – Lesson 41**

1. Describe any additional physical characteristics of water that you did not mention in number 1 above.
2. Where is freshwater found? Why is most of it unusable?
3. Define watershed.

**Animation – Lesson 41**

1. Describe the two paths precipitation may take as it falls to Earth.
2. Define estuary and coastal wetlands.

***Choose “Lesson 42 – Agricultural Water Use”***

***Read “Text” and take notes***

**Text – Lesson 42**

1. Define irrigation. Why is it important?
2. How do flood irrigation, furrow irrigation, drip irrigation, and center pivot irrigation differ? (Include efficiencies in your answer if possible.)

***Choose “Lesson 43 – Domestic and Industrial Water Use”***

***Read “Text” and take notes***

**Text – Lesson 43**

1. What are the industrial uses of water?
2. What are the domestic uses of water?
3. What are some conservation measures that can reduce the amount of wasted water?

***Choose “Lesson 44 – Control of Water Resources”***

***Read “Text” and take notes***

***Watch “Animation” and take notes***

**Text – Lesson 44**

1. What are the advantages and disadvantages of dams?
2. How do water rights differ in the eastern U.S. and western U.S.?
3. What aquifer stretches from Wyoming to Texas?

**Animation – Lesson 44**

1. How might irrigation lead to aquifer depletion?
2. What could happen to an area with a depleted aquifer?

***Take the “Chapter Test” for Chapter 9 and check your answers with the “Answer Key”***