

## 7<sup>th</sup> Grade Science      Book E Environmental Science

### **Chapter Two:** Cycles in Nature

#### **Section One:** The Cycles of Matter (pg 32-35)

For each word listed below, write the word on a piece of notebook paper, underline or highlight the word and then write the definition after the word. (Students are encouraged to take the definition from the actual text because that is the definition that will be used on quizzes and tests).

water cycle      evaporation      condensation      precipitation  
runoff              groundwater      transpiration  
organic molecules              carbon cycle      photosynthesis  
respiration      decomposition              combustion  
nitrogen cycle                      nitrogen fixation

Answer each of the following questions on a piece of notebook paper, in a complete sentence, restating the question in your answer. Failure to follow these rules will result in the student having to rewrite the assignment to earn their points.

1. Name four types of precipitation.
2. Organisms use water for what three things?
3. Explain how sweating helps humans.
4. Why do organisms need nitrogen?
5. How much of the Earth's atmosphere is nitrogen?
6. Pea plants add nitrogen to the soil. Why would farmers plant peas in their fields every few years if they didn't bring in that much money?
7. Why are decomposers important?
8. The average person in the United States uses about 78 gallons of water each day. How many liters of water does this equal? How many liters of water will the average person use in a year? (Hint 3.8 liters equal one gallon)
9. Give an example of how the calcium in an animal's bones might be cycled back into the environment.