Honors Biology Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
NDHS Per: \_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Nutrient Cycles Reading Guide**

Read pages 79 – 86 in your text book. The following is a list of terms an concepts you need to know and understand for the reading quiz.

Biogeochemical cycles

Figure 3-13: The Matter Mill – how does the movement of matter differ from the movement of energy in the biosphere? In other words, which can be recycled and which one can’t?

Biological Processes  
Geological Processes  
Chemical and Physical Processes  
Human Activity

The Water Cycle: Precipitation, Evapotranspiration (this is a combination of evaporation and transpiration), Percolation (water moving through the ground)

The Carbon Cycle: Photosynthesis (Carbon Fixation), Cellular Respiration, Geologic Activity, Human Activity

The Nitrogen Cycle: Nitrogen Fixation, Detrificication

The Phosphorus Cycle: Erosion, Mining

Limiting Nutrients

Fertilizers and Algal blooms