



Standards Covered in this Unit

Biogeochemical Cycles

7. Each element on Earth moves among reservoirs, which exist in the solid earth, in oceans, in the atmosphere, and within and among organisms as part of biogeochemical cycles. As a basis for understanding this concept:
- Students know* the carbon cycle of photosynthesis and respiration and the nitrogen cycle.
 - Students know* the global carbon cycle: the different physical and chemical forms of carbon in the atmosphere, oceans, biomass, fossil fuels, and the movement of carbon among these reservoirs.
 - Students know* the movement of matter among reservoirs is driven by Earth's internal and external sources of energy.
 - Students know* the relative residence times and flow characteristics of carbon in and out of its different reservoirs.

The above standards will be covered by the Benchmark Tests given at the end of each unit. Students should use these standards as a study guide. General tutoring is available after school for all science classes; ask your teacher for details. Targeted tutoring will be available specifically for those students who do not pass the Benchmark Test. Details regarding targeted tutoring will be sent home as required.