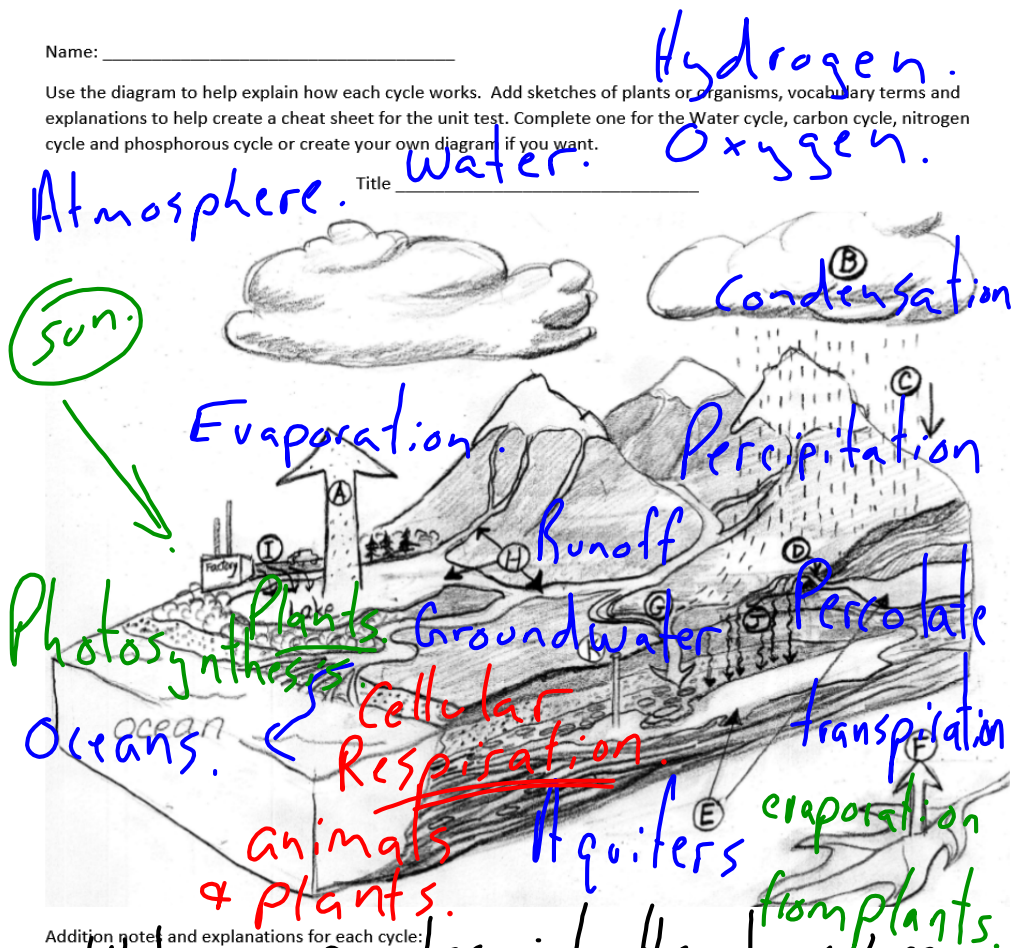


Name: \_\_\_\_\_

Use the diagram to help explain how each cycle works. Add sketches of plants or organisms, vocabulary terms and explanations to help create a cheat sheet for the unit test. Complete one for the Water cycle, carbon cycle, nitrogen cycle and phosphorous cycle or create your own diagram if you want.



Addition notes and explanations for each cycle:

Water evaporates into the atmosphere from the energy of the sun. It collects in clouds and condenses to the point of precipitation. Rain snow fall to the ground and collect in ground water, or percolates into aquifers under the ground. Plants absorb water via roots and photosynthesize Hydrogen. Animals eat plants and drink water. Water atoms can recycle quickly or can be stored in oceans for long periods of time. Humans are changing the water cycle via pollution.

Cellular Respiration.



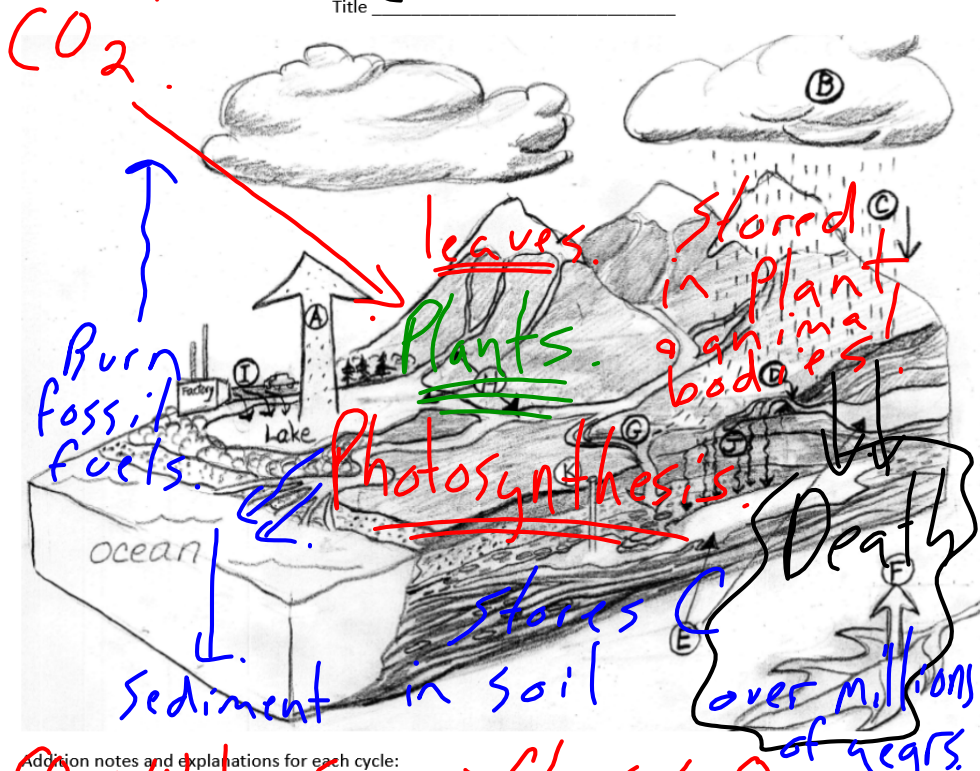
Name: \_\_\_\_\_

CO<sub>2</sub>. Carbon.

Use the diagram to help explain how each cycle works. Add sketches of plants or organisms, vocabulary terms and explanations to help create a cheat sheet for the unit test. Complete one for the Water cycle, carbon cycle, nitrogen cycle and phosphorous cycle or create your own diagram if you want.

Atmosphere: Carbon. Oxygen.

Title \_\_\_\_\_



Additional notes and explanations for each cycle:

CO<sub>2</sub> + Water + Sun → Glucose + O<sub>2</sub>  
 C<sub>6</sub>H<sub>12</sub>O<sub>6</sub> fossil fuels

Carbon dioxide stored in the atmosphere is absorbed by plants for photosynthesis. O<sub>2</sub> is released in to the atmosphere, carbon is stored in the bodies of plants and animals. Death occurs and decay stores carbon in the soil and sediment of oceans. over millions of years it can turn into fossil fuels. Humans are changing the cycle by burning fossil fuels and releasing high levels of CO<sub>2</sub>. Mining tracking Drilling for oil.

Use the diagram to help explain how each cycle works. Add sketches of plants or organisms, vocabulary terms and explanations to help create a cheat sheet for the unit test. Complete one for the Water cycle, carbon cycle, nitrogen cycle and phosphorous cycle or create your own diagram if you want.

Nitrogen.

Air is 80% N<sub>2</sub>



Addition notes and explanations for each cycle

Nitrogen in the atmosphere falls to the ground via rain/snow. One type of Bacteria fixes  $N_2$  into ammonia in a process called nitrification. Plants then absorb  $N_2$  (ammonia) via roots and store it in their bodies. Animals eat Plants and store  $N_2$  in their bodies. Death occurs and a 2<sup>nd</sup> type of Bacteria denitrifies  $N_2$  and returns it to the atmosphere. Humans are changing the  $N_2$  cycle via fertilizers, mining. Artificial fertilizers can contribute to Eutrophication (algae blooms in water)