**Main** Ideas Ecology-Cycles of Matter

Biogeochemical Matter, like \_\_\_\_\_\_ and \_\_\_\_\_\_ are recycled through the living and non-living environment

Cycles Matter passes from one organism to another.

Water Cycle 1.) During \_\_\_\_\_\_\_\_\_ water becomes a gas and enters the atmosphere

 2.) Transpiration is when water \_\_\_\_\_\_\_\_\_\_\_\_ from plant leaves

 3.) \_\_\_\_\_\_\_\_\_is water vapor/gas in the air forming into tiny droplets of water that become clouds.

 4.) Water returning to Earth in any form (rain, snow, etc.) is called\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 5.) Runoff is excess\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 It can take from a few days to 1,000 years for a drop of water to complete the cycle. So all

 The water you drink is recycled.

Carbon Cycle ALL \_\_\_\_\_\_\_\_\_\_\_\_\_\_ has/needs some form of carbon

 Plants take in CO2, during \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 Animals release \_\_\_ into atmosphere during \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

 \_\_\_\_\_\_\_\_\_\_\_\_release CO2 as they break down/consume dead things organic compounds

 Human Activity includes burning fossil fuels & vegetation

 How does carbon get into food chain/atmosphere?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Nitrogen Cycle All organisms need \_\_\_\_\_\_\_\_\_\_ to make \_\_\_\_\_\_\_\_\_ to live and grow.

 Soil bacteria called \_\_\_\_\_\_\_\_\_\_\_\_\_\_change \_\_\_\_\_\_\_ in dead organisms, urine, and dung (poop) into

 nitrates plants can absorb through their roots

Weather vs Climate \_\_\_\_\_\_\_\_\_\_\_ is the environmental conditions in a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ at a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 EX:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the typical weather for a region \_\_\_\_\_\_\_\_\_\_\_ after \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 EX:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_