Name	Date
Homework 3.5 Cycling of Matter	
KEY CONCEPT Matter cycles in and out of an ecosystem. VOCABULARY	
hydrologic cycle	
hydrologic cycle biogeochemical cycle	
nitrogen fixation	

MAIN IDEA: Water cycles through the environment.

Fill in the chart with the name of each process that describes how water moves through an ecosystem in the hydrologic cycle.

Process	Description
1	Rain or snow falls to earth.
2	Water vapor rises into the atmosphere.
3	Water vapor released by plants rises into the atmosphere.
4	Water vapor in the atmosphere forms clouds.

MAIN IDEA: Elements essential for life also cycle through ecosystems.

Fill in the blank with the word or phrase that best completes the sentence.

5. Plants, animals, and most other organisms need avvgen for cellular.

Э.	Plants, animals, and most other organisms need oxygen for cellular
6.	In the oxygen cycle, plants release oxygen as a waste product during the process of
7.	In the carbon cycle, plants take in from the air and convert it into organic material that becomes part of the plant's structure.
8.	Carbon enters the atmosphere as carbon dioxide from respiration and from the of dead organisms.
9.	In the carbon cycle, the burning of fossil fuels releases into the atmosphere.
10.	In the phosphorous cycle, that is released by the weathering of rocks can be taken up by plant roots and enter the food chain.
	ocabulary Check cle the letter of the phrase that best completes the sentence.
11.	The conversion of gaseous nitrogen into ammonia by bacteria is called
	a. photosynthesis
	b. respiration
	c. nitrogen fixation
	d. transpiration
12.	The movement of a particular element through the living and nonliving parts of an ecosystem is called a
	a. hydrologic cycle
	b. phosphorous cycle
	c. nitrogen cycle
	d. biogeochemical cycle
13.	The water cycle is also called the
	a. hydrologic cycle
	b. phosphorous cycle
	c. nitrogen cycle
	d. biogeochemical cycle