BIOLOGY WORKSHEET #1

Cycling of Matter

Name:	Date:
Important Term	ns: read and analyze these terms.
Term	Concept
matter	anything that has mass and takes up space.
nutrients	chemical substances that organisms need to sustain life.
energy	
biogeochemical cycles	the exchange of matter through the biosphere.
transpiration	he evaporation of water through minute pores, or stomata, in the leaves of plants
evaporation	the process by which water changes from a liquid to a gas or vapor
condensation	the process by which water vapor in the air is changed into liquid water
precipitation	any liquid or frozen water that forms in the atmosphere and falls back to the Earth
animal waste	the excreted materials from live animals
Nitrogen	a colorless, odorless, tasteless gas that is the most plentiful element in Earth's atmosphere and is a constituent of all living matter
Carbon Dioxide	a heavy colorless gas that is formed by burning fuels, by the breakdown or burning of animal and plant matter, and by the act of breathing and that is absorbed from the air by plants in photosynthesis.
1	sentences using the words above and are
	I in the atmosphere.
	esses allow the exchange of matter through the
	One of the processes, the water cycle, allows
	ove from the earth to the atmosphere and back
	gh processes such as,
	r turns into vapor and,
	r changes from a gas into a liquid. Water that
	the earth is called Some

atmosphere through the process of ______.



3.	Matter is everything that has mass and takes up space. Living organisms are considered Living		
	organisms require and		
	to sustain life processes. These nutrients are returned to the soil for plant use through		
Αı	nswer the following questions.		
1.	How do nutrients move through biotic and abiotic parts of		
•	an ecosystem?		
2	Why are nutrients important to living organisms?		
۲.	Titly are noments imperiant to itting organisms.		
3	What are the biogeochemical cycles of nutrients?		
Ο.	What are the biogeochemical cycles of homems?		
1	What would happen if matter was bound (or trapped) in		
т.	living matter and never recycled?		
5.	What does it mean to say that matter is recycled?		
6.	Why is it important to living organisms that nutrients are		
	cycled?		

