Topic/Objectives: 3-2 Biogeochemical Cycles; (1) Describe the water cycle; (2) Describe the events of the nitrogen cycle; (3) Explain the importance of bacteria to the nitrogen cycle.	**Name:**
	Date:
	Period:

Essential Question: How do nutrients cycle through the environment?

Questions:	**Notes:**
	• _____ cycles through the lithosphere, biosphere and atmosphere endlessly. • 97.5% of the Earth's water is _____ water. • More than 3/4th of the remaining freshwater is locked up in the _____ (ice). • _____ and _____ distill water naturally, converting water from liquid to gas. • Water returns to the Earth's surface through _____ and _____. • Some water will be stored as groundwater in underground _____.
	• The nitrogen cycle is very reliant on _____. • Bacteria have the ability to convert nitrogen gas into ammonia through _____. • Some bacteria may then convert ammonia into nitrate ions (used by plants) through _____. • Other bacteria convert nitrate ions will be converted back into nitrogen gas through _____. • Human activity can be problematic when excess nitrogen is introduced (_____).

Summary: