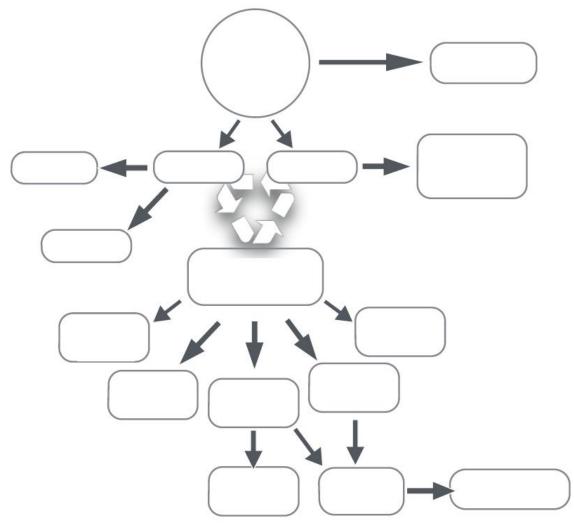
## Bozeman AP Environmental Science | Big Idea #2 - Living World 011 - Biogeochemical Cycles

Name:	Block/Period:	Date:
Students: It is recommended that you water	ch the video with subtitles ON; be prepared to pause	e and rewind. The video is
~10 minutes long, but this worksheet will take	e you around ~30 to 35 minutes to complete. There	will be a review / discussion
afterwards requiring you to rec	cord corrections AND summarize additional material	/ information.

Description (-½ point for each time the rubric is not followed)	Point Value
Each question has been answered	0   ½   1
Each question has been answered in a full sentence	0   ½   1
Each answer has avoided 'it' or 'they' statements, by being clear on the topic of the answer	0   ½   1
Review: Answers that were incorrect are corrected, in a different color	0   ½   1
Discussion: 2 OR more summary statements of the additional material / information, in a different color	0   ½   1
Scc	ore:/ 5



**1.** Listen to Mr. Anderson describe the various parts of the concept map, and pause after he reveals a new word, and fill in that word.



2. **Define** Biogeochemical Cycles (explained at ~1:10 in the video during the concept map outline).

**3.** Energy starts in the \_\_\_\_\_\_-> moves through

\_\_\_\_-> to \_\_\_\_\_\_-> to other

\_\_\_\_\_-> and eventually is lost as \_\_\_\_\_\_.

•	ant to life C -	, and is important to life because
b.		, and is important to life because
C.	N	, and is important to life because
d.	O	, and is important to life because
e.		, and is important to life because
f.		, and is important to life because
efine	evaporation.	

Big Idea #2 Living World

**7. Draw** the Water Cycle, labelling the key-words in the cycle with arrows for direction. (you do not need to be 'fancy' with your drawings).



Big Idea #2 Living World

**8. Draw** the Carbon Cycle, labelling the key-words in the cycle with arrows for direction. (you do not need to be 'fancy' with your drawings).

**Explain** what is happening to carbon at each step.



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**9. Draw** the Nitrogen Cycle, labelling the key-words in the cycle with arrows for direction. (you do not need to be 'fancy' with your drawings).

**Explain** what is happening to nitrogen at each step.



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**10. Draw** the Phosphorus Cycle, labelling the key-words in the cycle with arrows for direction. (you do not need to be 'fancy' with your drawings).

**Explain** what is happening to phosphorous at each step.



Big Idea #2 Living World

**11. Draw** the Sulfur Cycle, labelling the key-words in the cycle with arrows for direction. (you do not need to be 'fancy' with your drawings).

**Explain** what is happening to sulfur at each step.

