

Name: _____

Date: _____

Period: _____

Biology - Chapter 3 Outline and Objectives: The Biosphere

Big Idea (pp. 62-63): _____

SECTION 3.1 TITLE (pp. 64-68): _____

Key Question:
Key Question:
Key Question:

Vocabulary Terms (x9)	Use figure 3-1. Draw a circle and label it "Me." Then, draw five concentric circles and label each of them with the appropriate level of organization. Describe each level.
	Examine figure 3-2. What biotic factors are visible in this ecosystem?

SECTION 3.2 TITLE (pp. 69-72): _____

Key Question:
Key Question:

Vocabulary Terms (x12)	Examine figure 3-4. How do plants obtain energy?	Use figure 3-6 to list and describe the 6 types of consumers. 1. 2. 3. 4. 5. 6.
	Compare and Contrast. Figure 3-5. How are photosynthesis and chemosynthesis similar? _____ _____ _____ _____ _____ _____	

SECTION 3.3 TITLE (pp. 73-78): _____

Key Question:
Key Question:

Vocabulary (x7)	<p>Define food chain:</p> <hr/> <p>Define food web:</p> <hr/>
<p>Using figure 3-9, describe three food chains that are part of this food web.</p> <ol style="list-style-type: none"> 1. 2. 3. 	<p>Figure 3-11 shows a pyramid of energy. What percentage of energy is transferred to each trophic level?</p>

SECTION 3.4 TITLE (pp. 79-86): _____

Key Question:
Key Question:
Key Question:
Key Question:

Vocabulary (x5)	<p>Read the definition of biogeochemical cycles on page 79, then examine figure 3-13. How is the water flowing over the water wheel similar to the flow of energy in the biosphere?</p> <hr/> <hr/> <hr/> <hr/>	
<p>Figure 3-15. What are the two primary ways in which water that falls to Earth as precipitation passes through the water cycle?</p> <ol style="list-style-type: none"> 1. 2. 	<p>Figure 3-17. What is one of the processes that takes carbon dioxide out of the atmosphere?</p>	<p>Figure 3.18. Through which two processes does nitrogen gas get converted into usable forms for organisms? Define each.</p> <ol style="list-style-type: none"> 1. 2.