

Name: \_\_\_\_\_

Test on Monday, 10/27

## ECOLOGY UNIT TEST: Studying Checklist

### Can you...

- Explain the different types of relationships between organisms in an ecosystem?

**Predation** - \_\_\_\_\_

**Symbiosis** - \_\_\_\_\_

**Competition** - \_\_\_\_\_

**Cooperation** - \_\_\_\_\_

- Explain the relationship between living and nonliving things in the environment and how these factors influence each other? (Include how limiting factors affect the population size.)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- List and identify the 6 ecological levels from individual organism to biosphere?

smallest = \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_,  
\_\_\_\_\_ = largest

- Explain the difference between biotic and abiotic factors in an ecosystem?

<b>Biotic</b>	<b>Abiotic</b>

- Compare the energy roles of producers, consumers, and decomposers in an ecosystem?

<b>Producers</b>	<b>Consumers</b>	<b>Decomposers</b>
Examples:	<ul style="list-style-type: none"><li>•</li><li>•</li><li>•</li><li>•</li></ul>	Examples:

- Explain how energy is transferred through an ecosystem by food chains, webs, and energy pyramids? (Explain the directions of the arrows, the steps in the pyramid, and the different trophic levels.)

Food Chain	Food Web	Energy Pyramid

- Explain the importance of photosynthesis and decomposition in an ecosystem?

**Photosynthesis** - \_\_\_\_\_  
 \_\_\_\_\_

**Decomposition** - \_\_\_\_\_  
 \_\_\_\_\_

- Identify and explain the 3 different types of symbiotic relationships in an ecosystem?

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- Describe the eight main biomes of the world?

Biome	Description/Organisms
1)	
2)	
3)	
4)	
5)	
6)	
7)	
8)	

- Describe how ecosystems change over time and potential causes of the two types of succession?

Primary Succession	Secondary Succession