

Learning Targets – Ecology Part I

(Pages 30-49)

Assessment Scale

- 5 – “Totally get it.” I fully understand and know everything. I can teach this concept to another student. I have mastered the concept. (Deeper Understanding)
- 4 – “Get it, but can’t teach it.” I know most of the information and feel confident. (Deeper Understanding)
- 3 – “Starting to get it.” I know general ideas but not specifics. Still need teacher’s help. (Basic understanding)
- 2 – “Don’t get most of it.” I know and understand a little bit, but am still confused. (Basic understanding)
- 1 – “Eh??” I don’t know or understand anything. I feel really frustrated and completely lost. (No understanding)

Self-Assessment – Ecology Part I

Dates Covered	Student-Friendly Learning Targets	1	2	3	4	5
	1. I can explain the differences between each level of organization (organism, population, biological community, ecosystem, biome, & biosphere).					
	2. I can define the terms abiotic and biotic and list examples of each.					
	3. I can draw and explain a food web/chain on my own.					
	4. I can categorize organisms according to trophic levels and put them into an ecological food pyramid.					
	5. I can distinguish between habitat and niche.					
	6. I can identify organism relationships – predator/prey, symbiosis, competition.					
	7. I can give examples for each of the three symbiotic relationships (mutualism, commensalism, and parasitism).					
	8. I can give the definitions for autotrophs and heterotrophs.					
	9. I can explain the diet of the four different types of heterotrophs.					
	10. I can explain both bioaccumulation and biomagnification.					
	11. I can state examples of organisms MOST impacted by bioaccumulation and biomagnification.					
	12. I can explain and draw a pyramid based on biomass.					
	13. I can calculate the energy availability loss of various food pyramid levels (transfer of energy).					
	14. I can define the word biogeochemical cycling.					
	15. I can label and explain all parts of the water cycle.					
	16. I can label and explain the carbon/oxygen cycle.					
	17. I can label and explain the nitrogen cycle.					

Quiz Date: _____

Test Date: _____