

Grade 9 Science - Vocabulary Definitions

SUSTAINABLE ECOSYSTEMS LESSON 1 - PART 1

NAME:_____

DATE:

LEARNING GOAL: By the end of this lesson, I will be able to use the important terminology.


RESOURCES: Textbook or on line text -www.mynelson.com, Gizmos Ecosystems Handbook

INSTRUCTIONS:

Part 1: Each group(T1-T5) will be assigned **ONE** of the lists of terms. They will be responsible for learning definitions/finding examples or designing a concept map (use jamboard) to show how the terms are related to one another. They will need to identify similarities and differences between terms at the same "level" or that sound the same. You only need to prepare definitions for ONE set of terms for this assignment, but you have the entire list as you will be responsible for all terms for the unit test and quizzes

TERMINOLOGY GROUP
GROUP MEMBERS

List 1 - Special Species

Member:	Definition/description/photo	
		Special Species
Invasive Species	Purple Loosestrife is invasive in Ontario swamplands.	
Species at Risk		
Extirpated	Eg. The Madagascar tree frog is extirpated from the mainland of Africa.	
Endangered		
Endemic		
Threatened		
Keystone		
Indicator		
Special Concern		

Identify one example of each of these different species along with a description of what this term means. Examples will require explanation. Eg. _____ is a keystone species because_____

List 2 - Modeling Trophic Levels and Energy Flow

Member:	Definition/description/photo	
Food chain		Energy Flow
Food web		
Energy pyramid		
Pyramid of Numbers		
Biomass pyramid		

In addition to a description of what these tell us, draw an example of each for the following organisms. Grasshopper, wolf, frog, grass, snake

List 3 - 4 Spheres

Member:	Definition/description/photo	
Biosphere		Spheres
Lithosphere		
Hydrosphere		
Atmosphere		

In addition to definitions, identify one resource or one organism that is shared between each sphere and any one other sphere.

List 4 - Niches

Member:	Definition/description/photo	
Decomposers		Niches
Producers		
Consumers		
Ecological niche		
Herbivore		
Carnivore		
Omnivore		
Primary consumer		
Secondary consumer		
Tertiary consumer		
Scavenger		
Detritivores		

Make a concept map to show how each of these terms is related. (which describe different versions of the same general term)
Describe what each term means
For each niche, identify one example of an organism that fits this role.

List 5 - Types of Communities/Biomes

Member:	Definition/description/photo	
Biome		Biomes
Terrestrial biome		
Marine biome		
<i>Eutrophic</i>		
<i>Oligotrophic</i>		
Aquatic biome		
Freshwater biome		

Draw a diagram in which you can label each of these terms. Use different methods of highlighting your labels so that you can show which terms are more overarching and which are subsets of these. Write a sentence to describe the term and a key feature that distinguishes each from any other classifications at the same level!