













Energy Flow Through Communities:		
Consumers / Heterotrophs: Organisms which acquire energy by eating other organisms		
Carnivores	Tertiary Consumers	4th Trophic Level
Camainanaa	1	
Carnivores (Meat-eaters)	Secondary Consumers	3rd Trophic Level
	1	
Herbivores (Plant-eaters)	Primary Consumers	2nd Trophic Level
	1	
Light (energy) —	Primary Producers	1st Trophic Level ("Feeding level")









Energy Flow Through Communities:

Omnivore ("eaters of all"): Organisms that may interact at multiple trophic levels (e.g. bears)

Food Web:

A complex feeding relationship showing the various interactions between all organisms from all trophic levels in a community









Nutrient Flow Through Communities:

Nutrients: Elements / small molecules that form all the chemical building blocks of life

- Macronutrients: Nutrients required in large quantities
 carbon, nitrogen, oxygen, hydrogen
 - phosphorus, sulfur, calcium
 - water
- Micronutrients: Nutrients required in small quantities
 iron, zinc, iodine
- Nutrient Cycles: Pathway nutrients follow from communities to the environment and back to communities
 - · Reservoirs: Storage sites of nutrients (usually abiotic)

























