<u>Ecology</u> = study of how organisms <u>INTERACT</u> with their <u>ENVIRONMENT</u>

Abiotic Factors are non-living



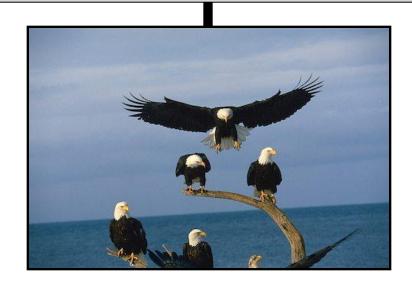


Biotic Factors are living



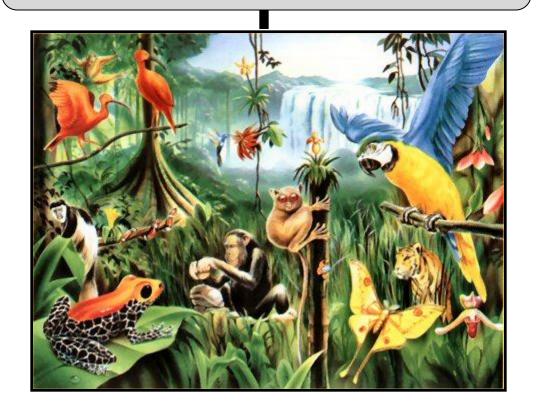


<u>Population</u>
<u>ALL individuals</u> of a <u>particular SPECIES</u> within a <u>certain area</u>

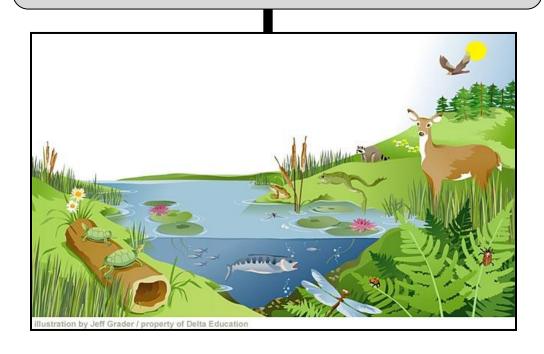


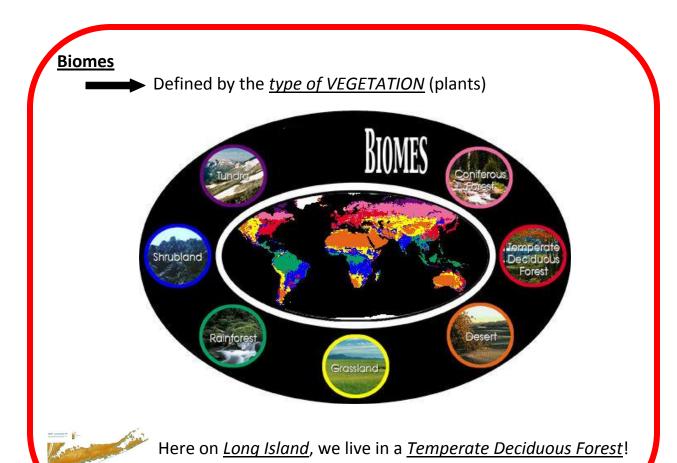
Community

DIFFERENT populations in an area.



Ecosystem a <u>COMMUNITY</u> and <u>ABIOTIC FACTORS</u>

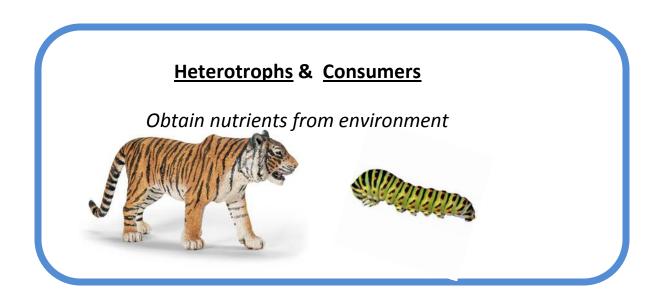




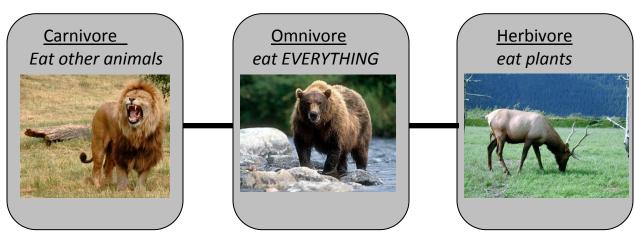


Rainforests have the *GREATEST AMOUNT of Biodiversity*





Types of CONSUMERS



Decomposers are NATURE'S RECYCLERS!

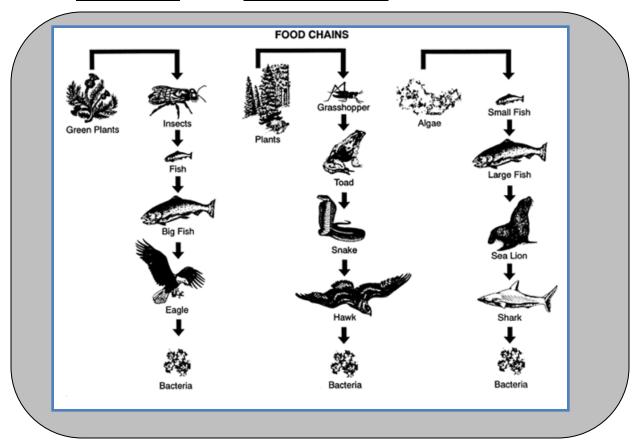
Break-down organic matter and dead organisms



Remember: FUNGI are CONSUMERS

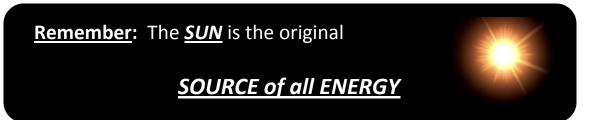


A Food Chain shows WHO EATS WHO

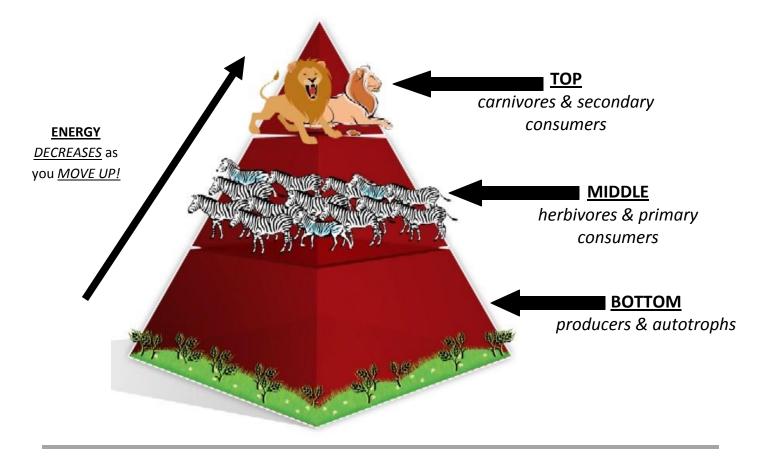


Food Web uses *ARROWS to show FLOW of ENERGY*



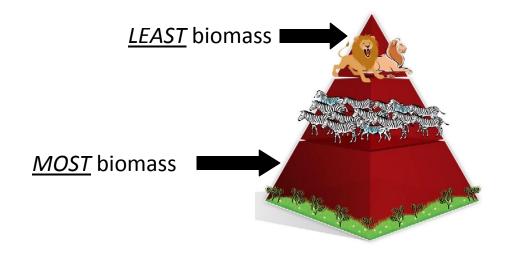


Energy Pyramid



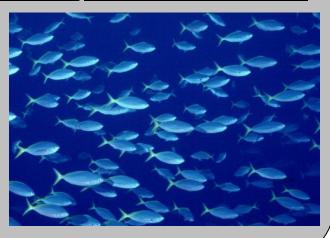
Biomass:

The amount of LIVING ORGANISMS.



<u>Habitat</u> = the <u>part of the ENVIRONMENT</u> <u>where an organism LIVES</u>.



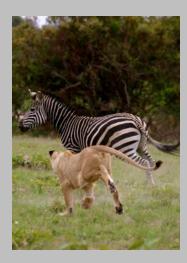


<u>Niche</u> = an <u>ORGANISM'S role in the ENVIRONMENT</u>.

What it eats....



Who eats it.....



Where it lives....



<u>Limiting Factors</u> <u>ANYTHING that LIMITS SURVIVAL</u> in an environment.

<u>For example</u>: Temperature, sunlight, water

Carrying Capacity

MAXIMUM number of organisms the environment can hold.



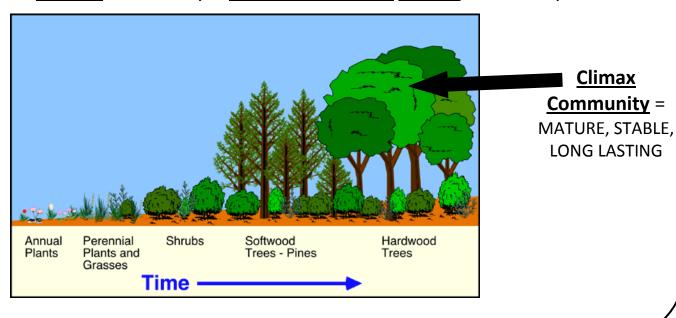
Pioneer Organisms are the FIRST ORGANISMS

They can <u>GROW on ROCK</u>!



Ecological Succession

- Existing community is SLOWLY REPLACED by new community.



<u>Biodiversity</u> = <u>Variation</u> among <u>LIFE</u>

It <u>INCREASES</u> the <u>CHANCES of SURVIVAL</u>!



Symbiotic Relationship

Different SPECIES living TOGETHER

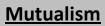


Sometimes it's GOOD



Sometimes it's **BAD**





BOTH organisms **BENEFIT**



Commensalism

ONE organism <u>BENEFITS</u>, the <u>OTHER</u> is <u>NOT AFFFECTED</u>

