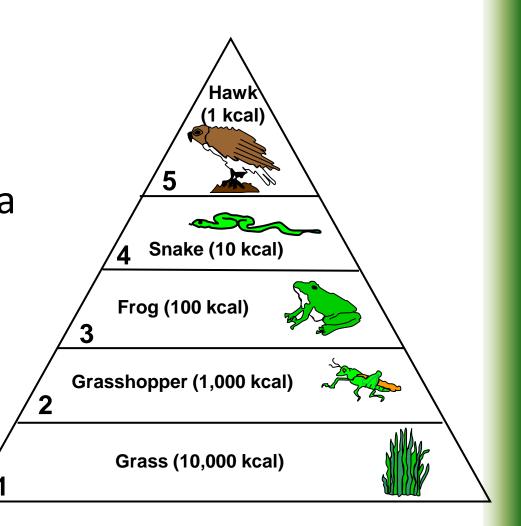
Arts and Science college, Pulgaon Department of Zoology

Topic: Ecological Pyramid

B. Sc. SEM I (Zoology)

2017-2018

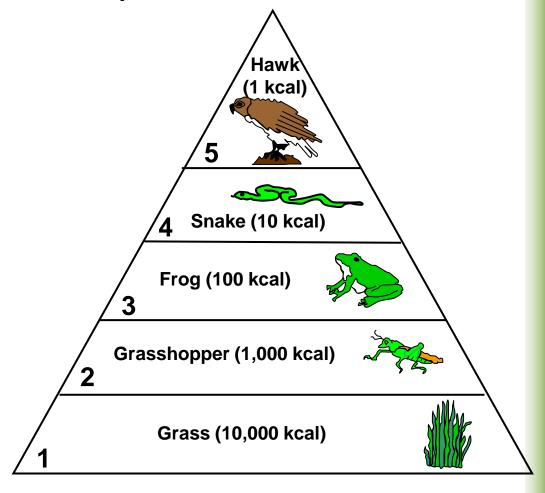
 Instead of representing trophic levels in a food web, an ecological pyramid can be used.



Does this pyramid represent a food chain

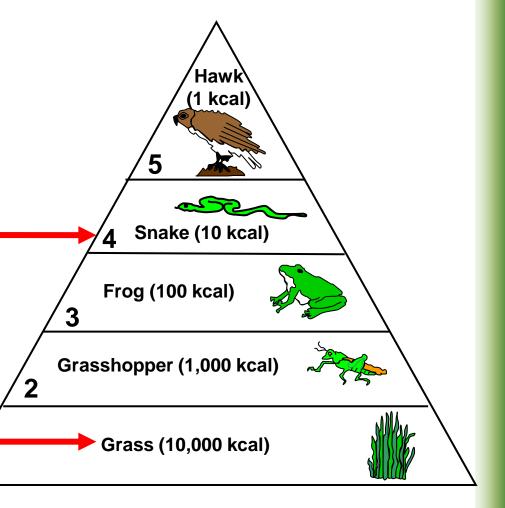
or web?

 How could this pyramid be changed to represent a food web?



 What do the big numbers represent?

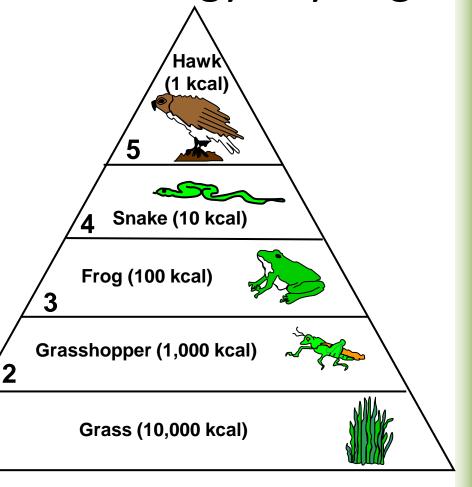
What does the kcal mean?



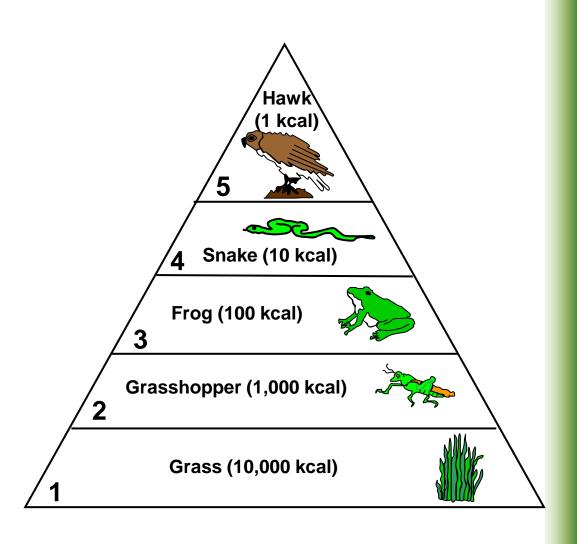
What happens to the energy as you go

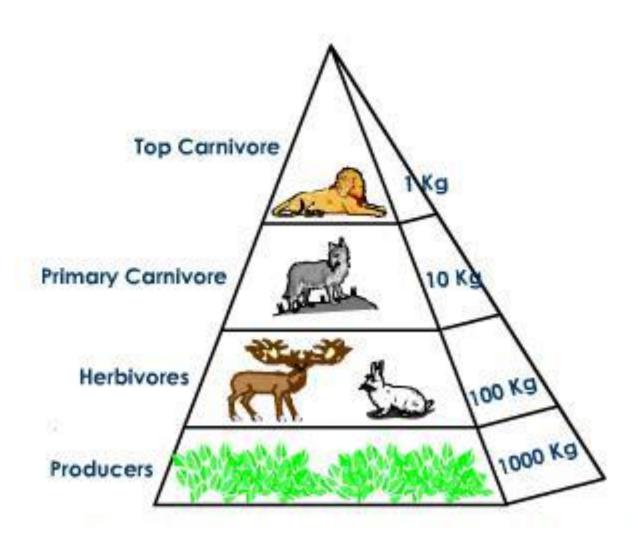
up?

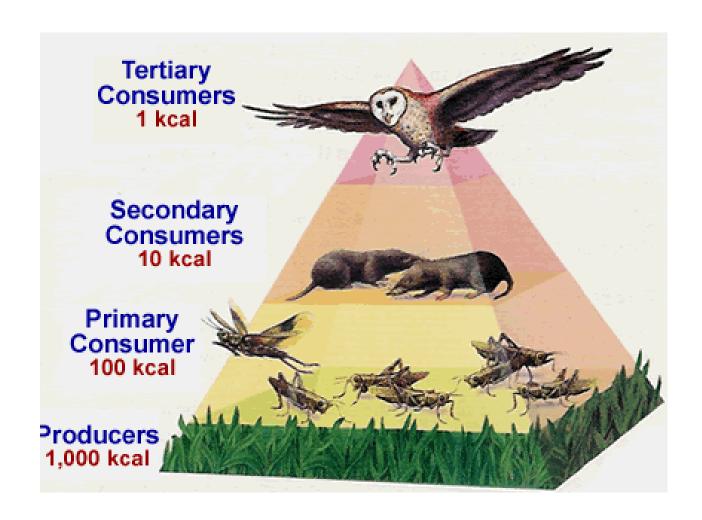
 How much energy is available for the next level? (What %)



Pyramids of energy show the relative amount of energy available at each trophic level of a food chain or food web.

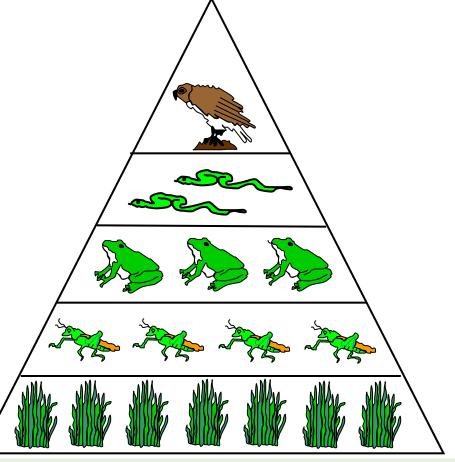






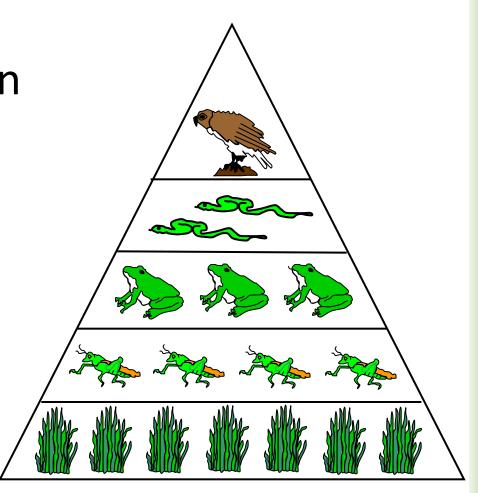
 How is this pyramid different from the previous ones?

 What could the multiple pictures of the species at each level represent?



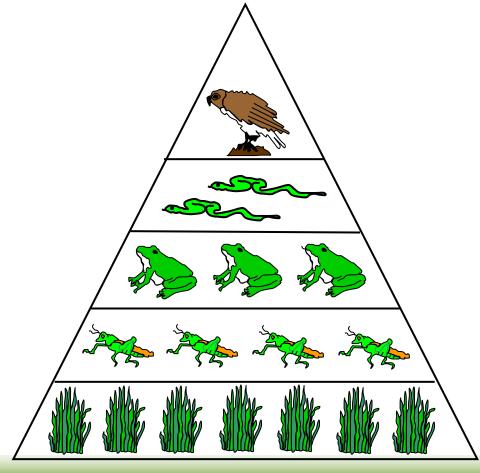
Biomass-the total amount of living tissue within a given trophic level.

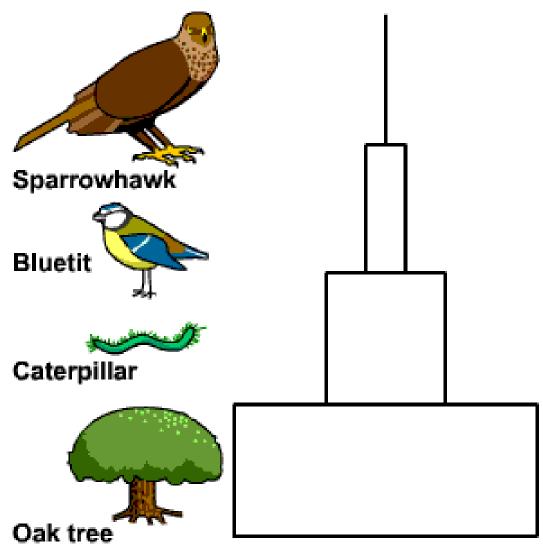
A pyramid of biomass illustrates the relative amount of living organic matter available at each trophic level

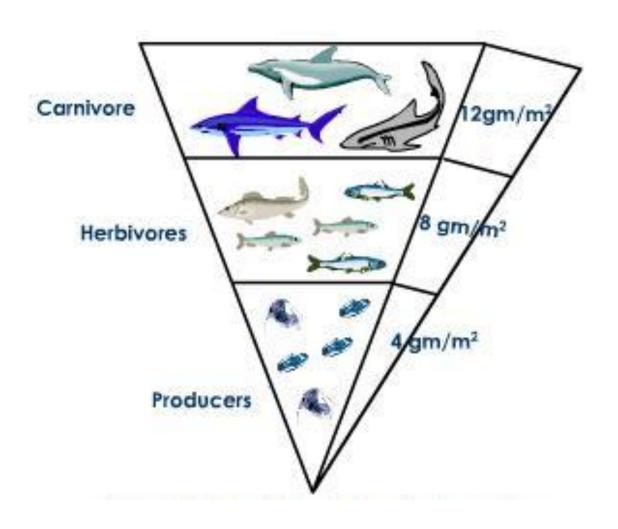


 What information would this pyramid include if it were a pyramid of biomass?

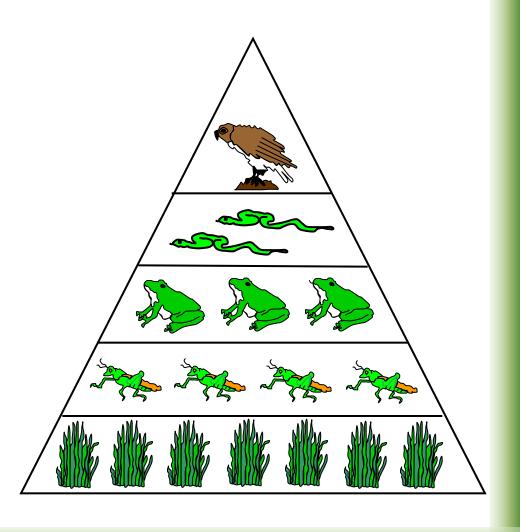
 How do they get a number total for the biomass of a population?







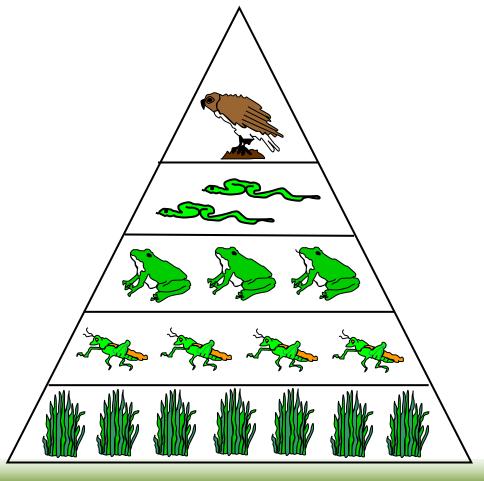
A pyramid of numbers shows the relative number of individual organisms at each trophic level.

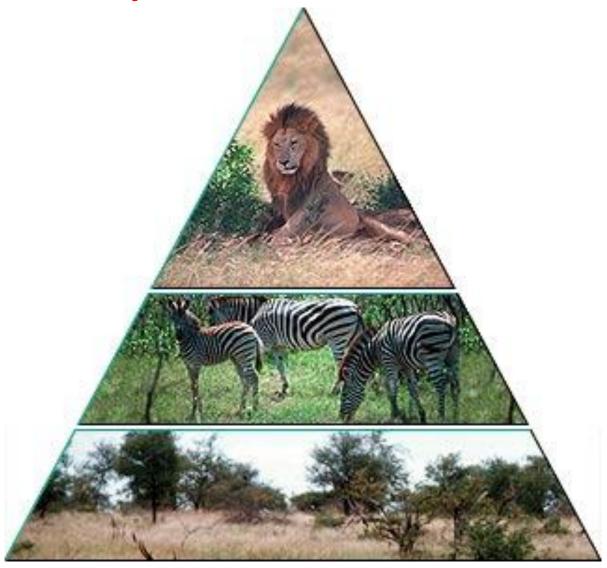


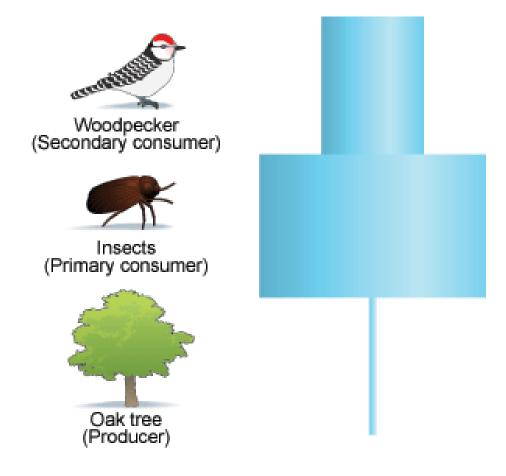
What information would this pyramid include if it were a pyramid of

numbers?

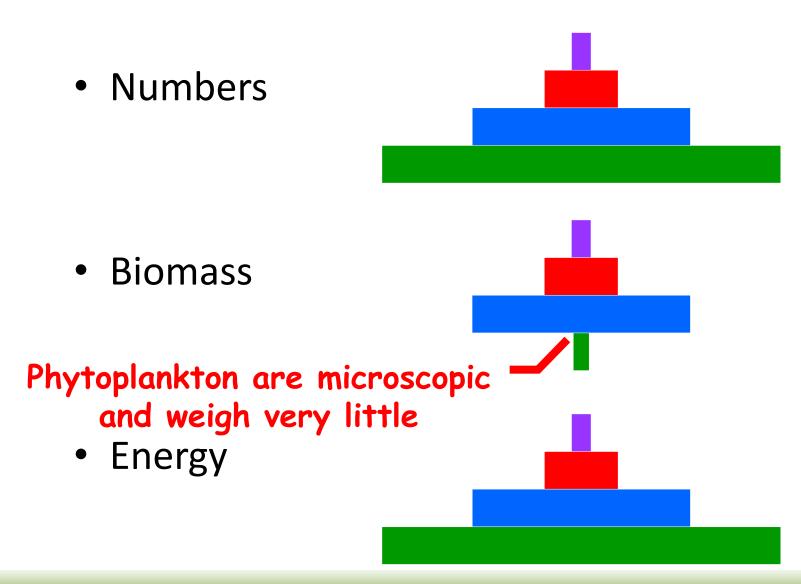
 How do they get a number total for a population of organisms?







Pyramids of Aquatic Ecosystems



Pyramids of Temperate Forests

Numbers

Trees are huge but not as numerous as many smaller forest creatures.

Biomass

Energy

