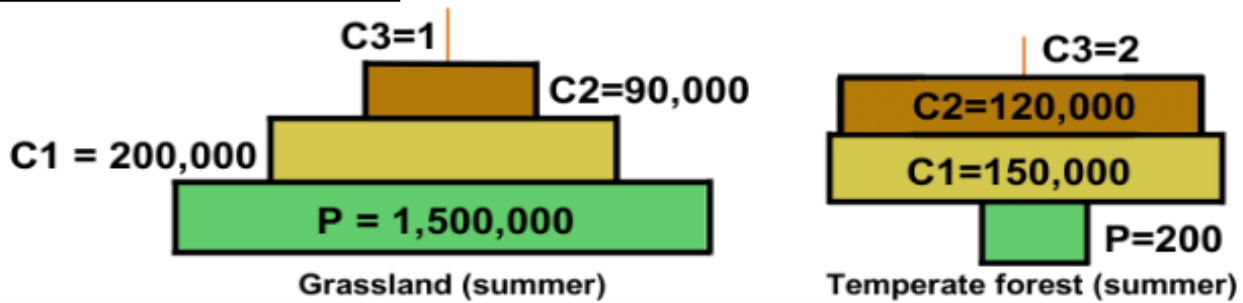


## Ecological Pyramids

### Numbers Pyramid

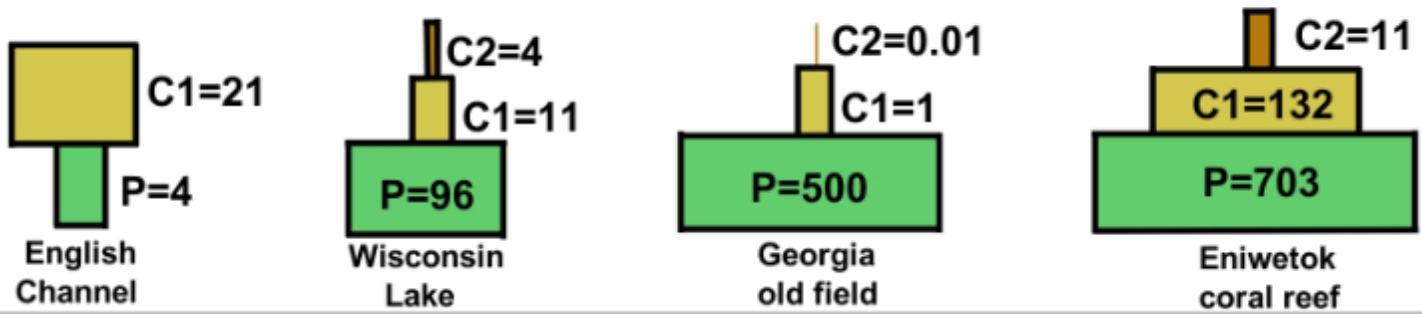
Individuals/0.1 ha



1. Describe what these pyramids are showing.
2. Provide possible organisms for each level of the grassland pyramid.
3. What is the main difference between these two pyramids?
4. How/why can the numbers of producers in the temperate forest be so small, but the primary consumer number be so large?
5. Why are the tertiary consumer numbers so small in both pyramids.

## Biomass Pyramid

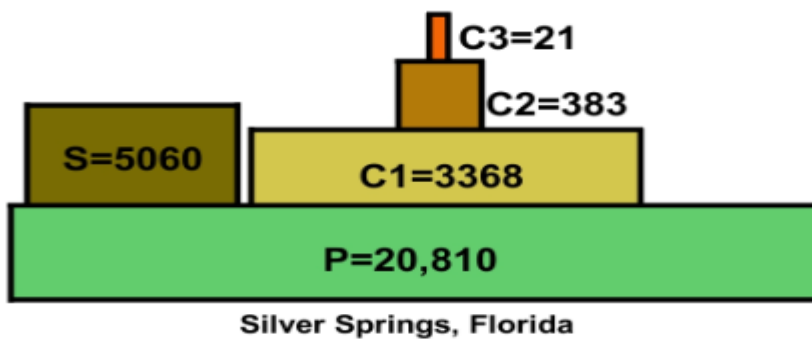
$g/m^2$



1. What does a biomass pyramid show?
2. What might be the differences between the primary consumers in the coral reef and those in the old field?
3. How can 703 producers in a coral reef support 132 primary consumers, while in the Georgia old field 500 producers only give rise to one primary consumer?
4. How/why might the English Channel's pyramid be upside down? How can this be accurate, yet still support life?

## Energy Pyramid

$Kcal/m^2yr^1$



1. Does this diagram follow closely to the 10% rule? Why or why not?

2. What might be S=5060 box mean?