3 Domains 
( - Archea - 1st - extense env., No O2

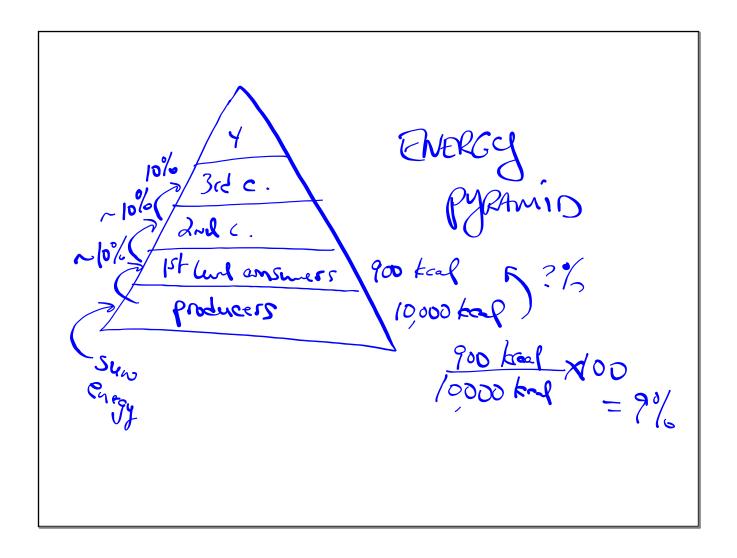
- Bateria - 2nd - O2

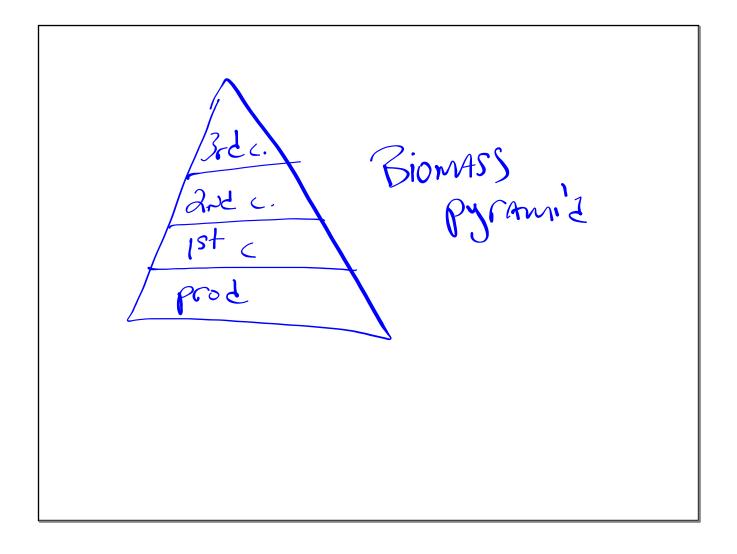
- Entrya - Nudeus, organilles

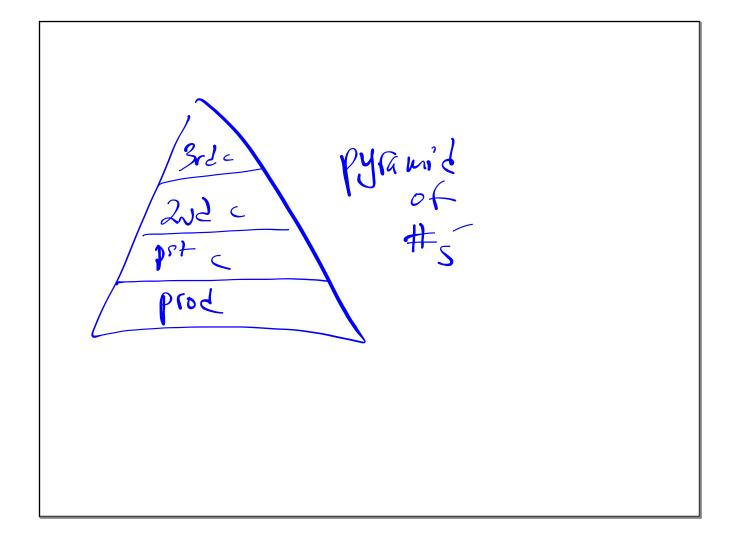
Symbiosis

- untralism - both benefit

- commensation - 1 benefits, 1 not help not hammed - parasition - 1 benefits, 1 hammed







- derived characteristics = evolutionary "invovations ferns comiter

Specific immunity

Humoral immunity

Lympocytes

WBC IIs produce antibodies with

WBC IIs meaning B phayolytes

Cell-mediated immunity

No antibodies

WBC - Killer T-

Active - vaccinations

— inject weatened finite from of pathogen

— stimulates in nume sopt,

prod. antibodies

Passive 
-inject ontbodies from another

anomal

-maternal

RB(-non-aucleated)

- hemoglosin - carries 2

WBC - immune response

B cells ) lymphrytes

T cells ) lymphrytes

physcytis - bloodstran