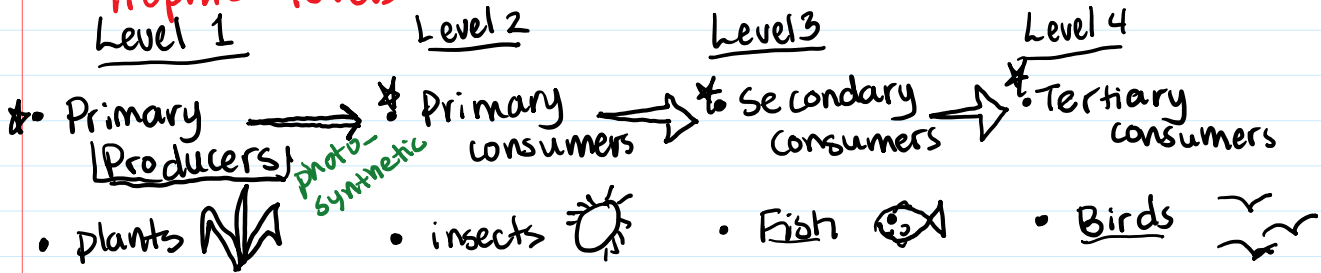


Food Chains, Food Webs

October 2, 2022 11:09 AM

Food chains show the levels of consumers in an ecosystem.

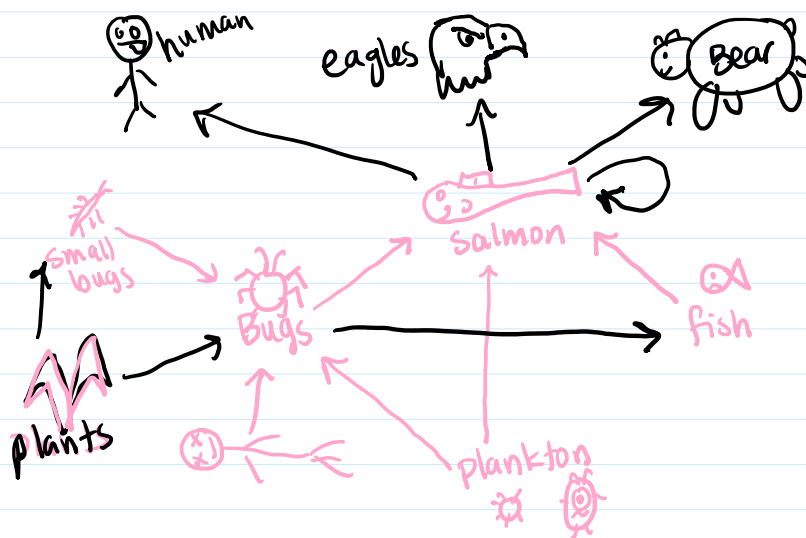
Trophic levels



movement of energy from the bottom to top food chain.

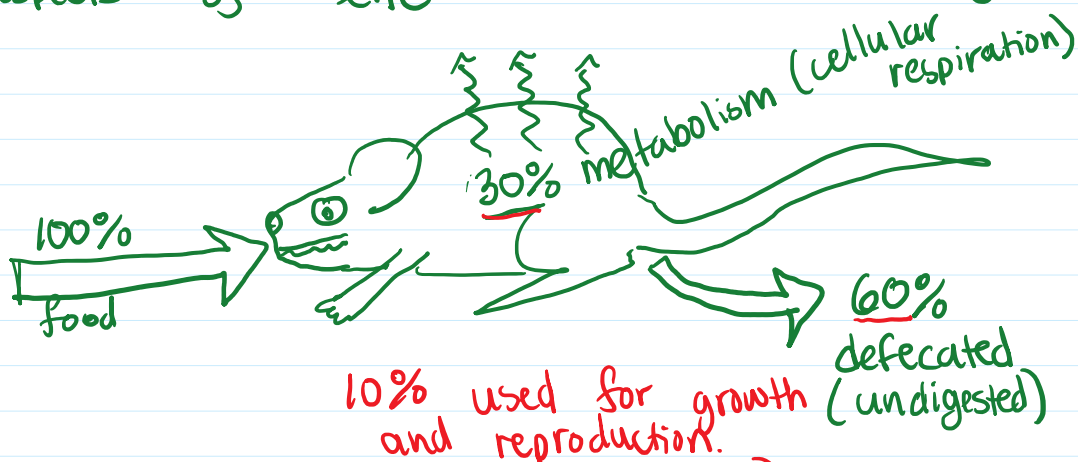
Food Webs → show what eats what.

- does not show energy, but rather the relationship between organisms' eating habits.



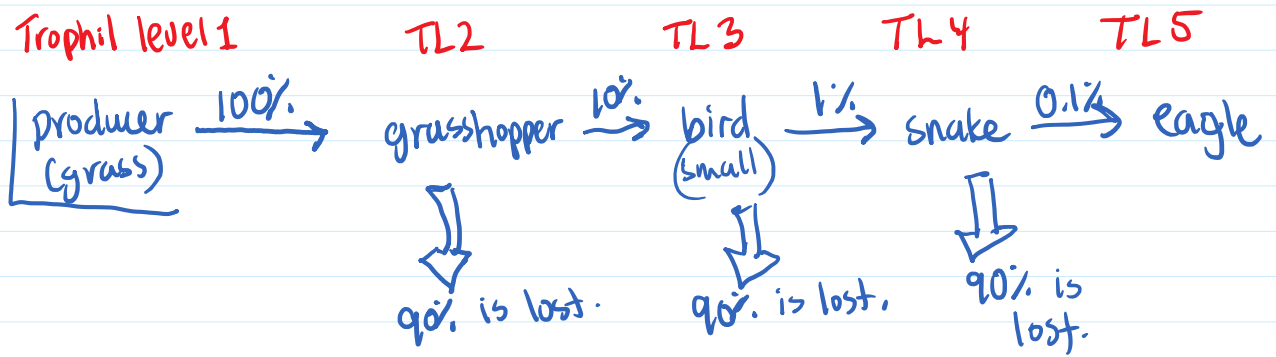
Food Pyramids

When organisms eat, they use the energy for various aspects of life



energy
nutrition.

(90% is "wasted")



Loss of energy at every trophic levels.

Grass \rightarrow Grass hopper \rightarrow starling (bird) \rightarrow hawk (big bird).

1 grass hopper eats ~~1~~ 2 grass.

1 bird eats 2 grass hoppers.

1 hawk eats 2 birds.

Work:

answer the following...

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1. How are food chains and food pyramids related?
2. What do food pyramids show?
3. How is it that a field of grass is needed to support a top predator?
4. Do food pyramids occur at every/all ecosystems?
5. Where do humans fit in the food chain/or pyramid?
6. THINK: Why is it more sustainable to be a vegetarian?