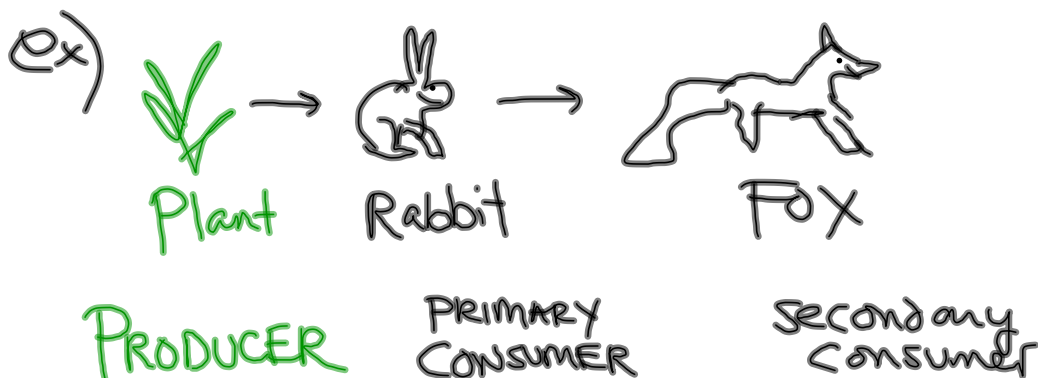


Food web - Shows all of the overlapping food chains (all the possible paths for energy) in an ecosystem.

<sup>contains</sup>  
\* Multiple, overlapping food chains

from a food web, we can pick out a food chain...



### MORE VOCAB

Herbivore - organism that consumes plants (producers) ("plant-eater")

OMNIVORE - organism that consumes plants + animals

CARNIVORE - organism that eats other animals ("meat-eater")

# FOOD Chains + webs

Show the flow of energy through an ecosystem

We use a diagram called an energy pyramid to describe the relative amounts of energy that are available at each step in a food chain.

ex) Plant → rabbit → Fox  
Producer      Primary Consumer      Secondary Consumer

Question: Where does the initial energy for this F.C. come from? The SUN



Producer takes in energy from the sun - this is the amount of energy available for the food chain

So, where is the most available energy in a food chain? The PRODUCER



the pyramid shape shows us that the energy available in this food chain decreases as you go up the chain

- Why?
- ① The higher order consumers don't consume all of the previous organism in the chain. (so energy is lost from the food chain)
  - ② Organisms use energy to live, move, grow, etc before being consumed (so energy is lost from the F.C.)