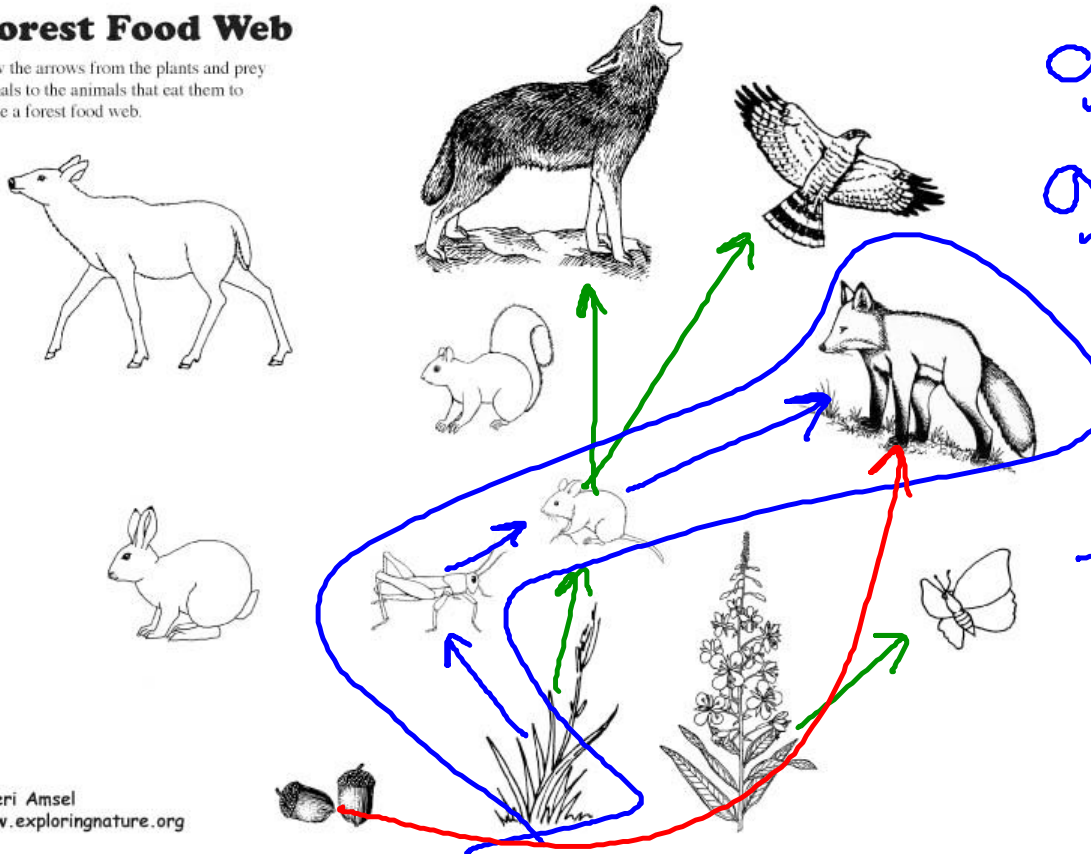


Notes ~ Food Web & Energy Pyramids

- Population - group of organisms (same species) living in same time + space
- Community - many pops. of diff. species (protists, plants, animals, fungi, bacteria)
 - Biotic factors - living + once-living organisms in an ecosystem (grass, trees)
 - Abiotic factors - non-living parts of an ecosystem (H₂O, sunlight, plastic, carbon, nitrogen)
- Food web - a system of interconnected food chains (show the flow of energy + matter)
- Arrows in a food web - show the direction of energy transfer (points to the organism "eating")

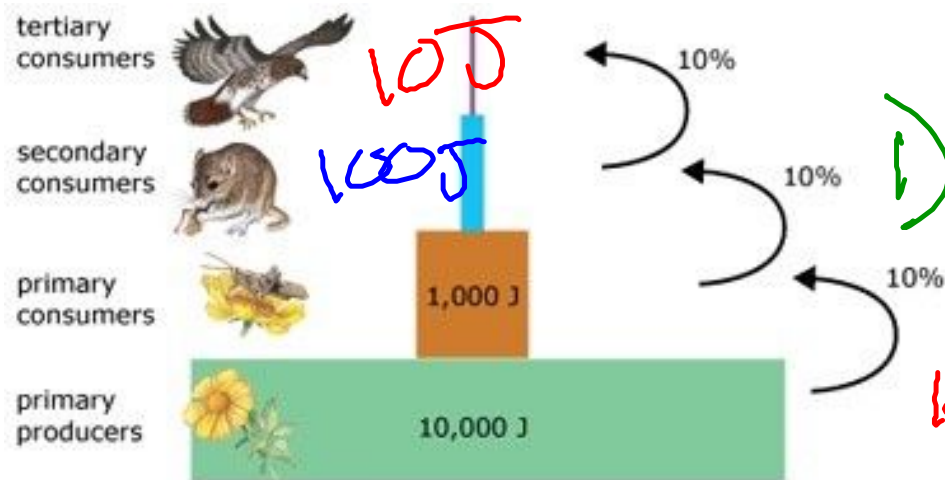
Forest Food Web

Draw the arrows from the plants and prey animals to the animals that eat them to create a forest food web.



grass - Producer
 grasshopper - 1° consumer
 mouse - 2° consumer
 fox - 3° consumer

- Energy pyramid - Shows how energy flows in ecosystems → decreases as you move up
- Only 10% of the energy from one trophic level is transferred to the next level up



Trophic level - level on a food chain

1) divide by 10

$1,000 \div 10 = 100$

$100 \div 10 = 10$

Use the vocab. sheet at your table to define the following!

Vocabulary	Definition	Drawn/written examples
Producer		
Consumer	Primary- Secondary- Tertiary-	Primary- Secondary- Tertiary-
Decomposer		