

Directions: Copy everything below in landscape format (turn your journal sideways). ~~Write in landscape format~~

Ecology Pyramid: A food chain in pyramid format.

Bio: Life

Mass: Weight

Biomass: Weight of living material. Biomass is food. Food is energy!

Food Chain Example: Seaweed → Clown Fish → Squid → Whale

Calculation for determining
Biomass for next level up:

$$500,000 \times 0.1 = 50,000 \text{ lbs}$$

Always multiply by 0.1

Biomass Pyramid (Total weight of each population of organisms)	Food/Energy Pyramid (Total amount of food/energy in each level)
<p>Least Biomass</p> <p>Decreases each level up! only 10% left each level</p> <p>Most Biomass</p> <p>Whale 500 lbs Squid 5000 lbs Clown Fish 50,000 lbs Sea Weed 500,000 lbs</p>	<p>Least Biomass</p> <p>Most Biomass</p> <p>Whale 1 lb Squid 1 lb Clown Fish 1 lb Sea Weed 276,975 lbs</p>

For example, if the weight of all seaweed in an area is 500,000 lbs only 50,000 lbs clown fish will exist.

Try this one on your own. How much biomass at each level if producers (seaweed) start at 276,975 lbs?