**Energy Pyramid – Brain Pop**

1. The **Energy pyramid** is a model for how energy spreads through an ecosystem.
2. A **food chain** describes how organisms in an ecosystem are linked together by what they eat.
3. At the bottom are **producers** and on land, that includes plants, from moss and grass to shrubs and trees.
4. The producers are eaten by **primary consumers**, which are herbivores, or plant-eaters.
5. The primary consumers are eaten by **secondary consumers**, which are carnivores, or meat-eaters.
6. The animals at the top of the food chain have no **natural** enemies.
7. **Decomposers** like bacteria and fungi, break down dead animals and plant matter, which help to **recycle** nutrients back into the ecosystem.
8. Food chains combine to form **food webs** that made of many interconnected and overlapping chains.
9. Animals eat to gain **energy** starting with producers, which create all the usable energy in an ecosystem.
10. Through the process of photosynthesis, plants convert the sun’s light energy into **chemical** energy (a simple **sugar** called glucose).
11. **Glucose** is the fuel that drives all living organisms.
12. Plants use up most of the glucose they make to grow and reproduce, but **store** a little bit of it in their bodies.
13. So when an animal (rabbit) eats a plant, they only get a **small** amount of energy the plant got from the sun.
14. The animal (rabbit) then uses **most** of that energy to do things like breathe, keep warm, move around, and reproduce.
15. If another animal (fox) comes along and eats the first animal (rabbit), they get on a teeny tiny fraction of the **energy** that was first absorbed by the plants.
16. All the energy in an ecosystem ultimately comes from the **sun**.
17. Since the amount of energy **decreases** as it travels up the food chain, it can be represented as a pyramid.
18. Each level of the food pyramid gets ten times **less** energy than the level **below** it (10,000, 1,000, 100, 10)
19. As energy **decreases** as it goes up the food chain, so does biomass, the combined mass of all the organism.
20. The energy pyramid levels are: **Producers**, Herbivores, Carnivores, and Top Predators.