

FOOD CHAINS &

NAME _____ HR _____

ENERGY PYRAMIDS

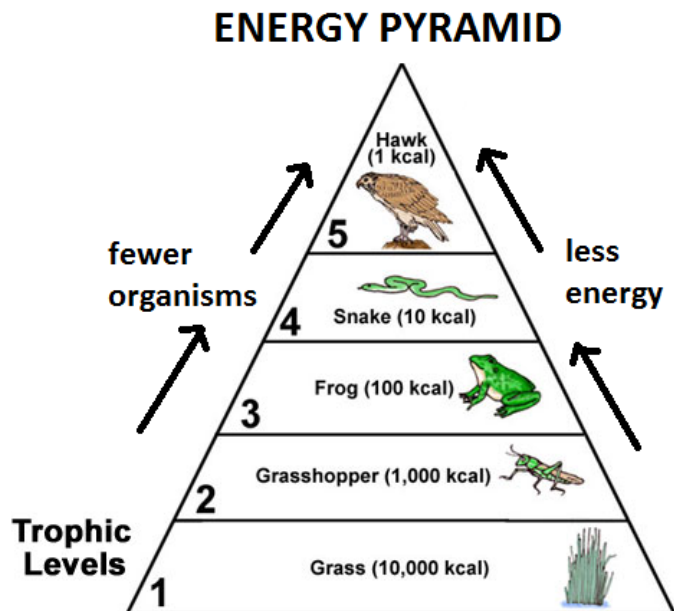
Watch the powerpoint first. Fill in these first 5 boxes, then fill in the energy pyramids with organism names. Then, answer the questions that go with the pyramid.

Put the cards into the proper order to make a food chain (5pts)



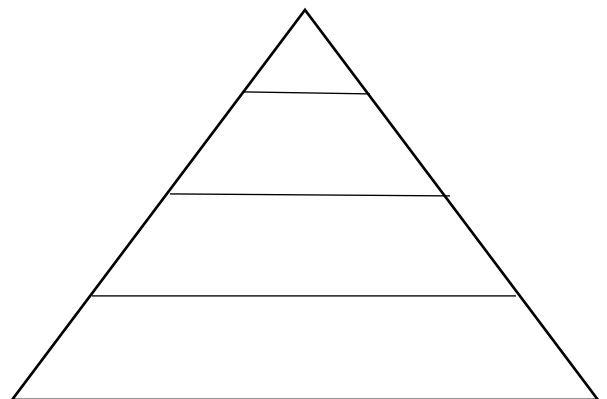
1. In nature, would you expect to see more killer whales or cod?
2. What might happen to the other organisms if algae were removed?
(DON'T just say everything would die)

3. how does the energy change as you go up the pyramid?
4. How does the number of organisms change as you go down the pyramid?
5. What are the levels of the energy pyramid called?



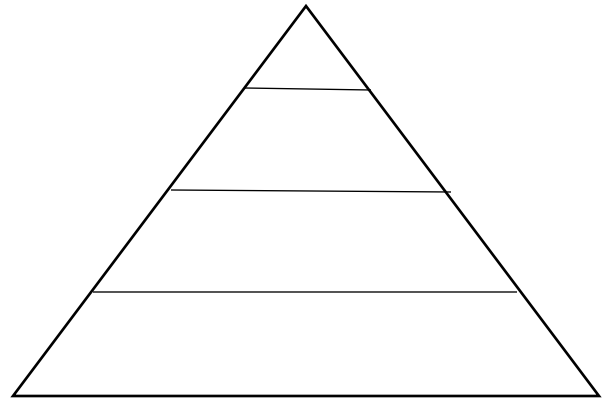
6. If all the sucker fish die from a virus, what would happen to the fisherman?

7. Would you expect to see more amoeba or suckers?



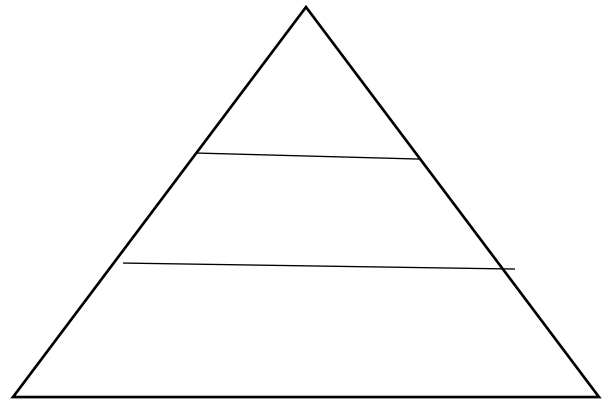
8. Are snakes the only source of food for owls?
Name an alternate source of energy for the owl.

9. If an eagle came into the territory of the owl and started eating snakes, what is that called? (fighting for the same resource)



10. Why do squirrels eat acorns? Why do they eat any food that they eat?

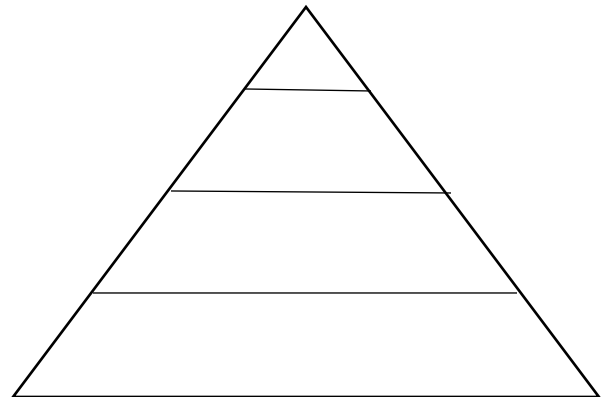
11. If you added up all the acorns' energy in the entire ecosystem and all the squirrels' energy in the entire ecosystem, which population has more energy?



12. Would you expect there to be more grasshoppers or more lizards?

13. A lizard eats about 1000 calories worth of grasshoppers. Only about 10% of that energy gets built into his lizard body. How many calories is that?

14. Survivor man eats lizards but only gets about 10% of the energy in the lizard to build his own tissues. How is the survivor man wasting the other 90% of the energy?



15. A wildfire due to global warming burns out all the grass. How is the lion affected?

16. What if a poacher killed all the lions. How would that affect the other populations?

17. Where is the grass getting its energy from?

18. What happens if there are more lions than gazelles?

