

Title:

Date:

Essential Question:

Part 1- Food Chains & Webs

Student Developed Questions:

1. What provides the energy for the biological world? _____
2. How does the sun's energy enter the biological world? _____

3. What is photosynthesis? _____

4. How does energy flow from plants to other organisms? _____

5. Organisms which gain energy by eating other organisms: _____
6. Organisms which are able to convert energy from the sun: _____
7. Consumers that eat both plants & animals: _____
8. Consumers that eat only plants: _____
9. Organisms which break down organic matter (bacteria & fungi): _____
10. Consumers that eat other animals: _____
11. Organisms that eat secondary consumers; usually nothing feeds on them:

12. Why would decomposers be called the environmental "recyclers"? _____

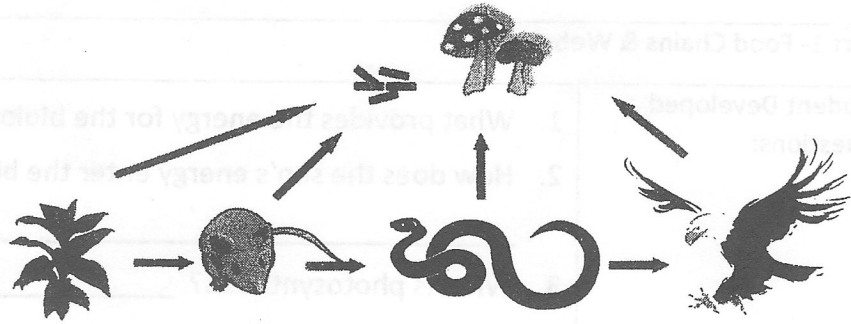
13. What is a food chain? _____

14. What is a trophic level? _____

15. What is the significance of arrows in a food chain? _____

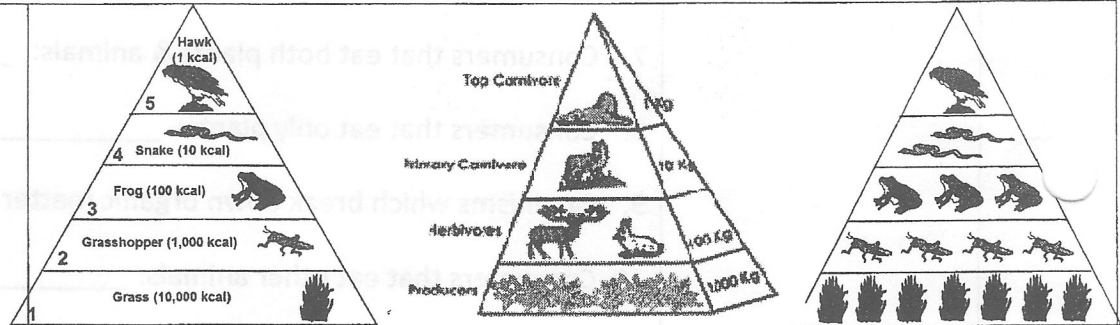
16. How much energy is actually passed on to the next level? _____
What happens to the remaining energy? _____

Label the diagram below with the appropriate terms:



17. What is a food web? _____

Part 2- Ecological Pyramids



What does a pyramid of energy show? _____

What do the numbers at each level represent? _____

What happens to the amount of energy as you move up the pyramid? Explain why. _____

What does a pyramid of biomass represent? _____

What does a pyramid of numbers represent? _____

Label each pyramid above.