**Practice Quiz:** Do not use this as your ONLY form of study! Treat it as a practice quiz, and see how much you can answer without your notes!

1. Give me one example of a food chain using these things: sun, hawk, vole, grass and grasshopper.
2. Where does all energy in a food web come from?
3. What makes up a food chain?
4. What is the definition of a food chain?
5. What is the definition of a food web?
6. How are food chain and food web different?
7. What are two things you remember from the field trip?
8. Where do plants get their energy from?
9. How do you make a food chain?
10. List 2 examples of a food chain with at least 4 organisms
11. Which of these is a 1st level consumer?
    * Hyenas
    * Tigger
    * Bambi
12. Which of these gets their energy from the longest path?
    * Scavenger
    * Decomposer
    * Producer
    * 2nd level consumer
13. Make a food web with your favorite animal
14. Give an Example of a decomposer
15. Make a foodweb with 1 producer, 2 first level consumers, 2 second level consumer, and 1 decomposer
16. Is this food chain correct?
    * Sun -> Dog -> Tree -> Mushroom
17. Which of these are a second level consumer?
    1. Cat
    2. Mushroom
    3. Tree
18. Define the following terms:
19. Producer
20. Consumer
21. 2nd level consumer
22. Decomposer
23. Scavanger
24. Which is a producer?
25. Mushrooms
26. Worms
27. Grass
28. Termites
29. Define a food chain
30. What is one thing all consumers need?
31. Name one 1st level consumer, one 2nd level consumer, and a decomposer
32. Design a food chain with 3 consumers and a producer
33. Define producer
34. What is one thing all producers need?
35. What is a food web?
36. What is an example of mutualism?
37. When a flea lives on a dog, sucking its blood, what kind of interaction is that?
38. What are they symbols for predation?
39. Describe an example of competition

**Food webs:** Use the information below to make **2 food webs:** one from an aquatic (water) environment, and one from a terrestrial (land) environment. Each web must include at least:

* + - 1. **3 producers,**
      2. **4 1st level consumers,**
      3. **3 2nd level consumers,**
      4. **at least 2 higher level consumers**

**Feeding relationships for webs:**

* Algae, ferns, Red Alder, blackberries, cedar trees, grass, lily pads and water grass get their energy from the sun
* Deer get their energy from grass, red alder and ferns
* Mice get their energy from seeds and berries and earth worms
* Beavers get their energy from red alder and cedar
* Song birds get their energy from seeds and berries
* Water skimmers get their energy from algae
* Dragonflies get their energy from eating water skimmers
* Trout (small fish) get their energy from water skimmers and dragonflies and shrimp
* Bears get their energy from fish and berries
* Rabbits get their energy from grass and berries
* Frogs get their energy from lily pads and water grass (as tadpoles) and water skimmers and dragonflies (as adults)
* Foxes get their energy from rabbits and frogs and mice
* Coyotes get their energy from dead deer and from beavers and rabbits and mice
* Cougars get their energy from beavers, deer, rabbits, and foxes
* Hawks get their energy from frogs and mice and rabbits and song birds
* Salmon get their energy from water skimmers and dragonfly larva (babies)
* Eagles get their energy from salmon, trout, and rabbits
* Shrimp get their energy from algae
* Worms get their energy from dead plants and animals

**Vocabulary Quizzing**: Write the definitions and an example for the following words. Then fold the page over, covering the definitions. Quiz yourself! Keep trying until you can correctly define all words

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| **Vocab Words** | **Definition** | **Example** |
| **Organism** |  |  |
| **Population** |  |  |
| **Community** |  |  |
| **Ecosystem** |  |  |
| **Biome** |  |  |
| **Food Chain** |  |  |
| **Food Web** |  |  |
| **Producer** |  |  |
| **1st Level Consumer** |  |  |
| **2nd Level Consumer** |  |  |
| **3rd Level Consumer** |  |  |
| **Energy Flow Arrow** |  |  |
| **Predation** |  |  |
| **Parasitism** |  |  |
| **Competition** |  |  |
| **Commensalism** |  |  |
| **Mutualism** |  |  |