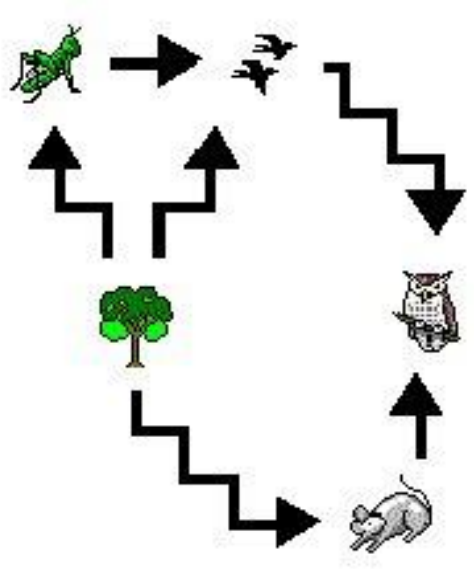
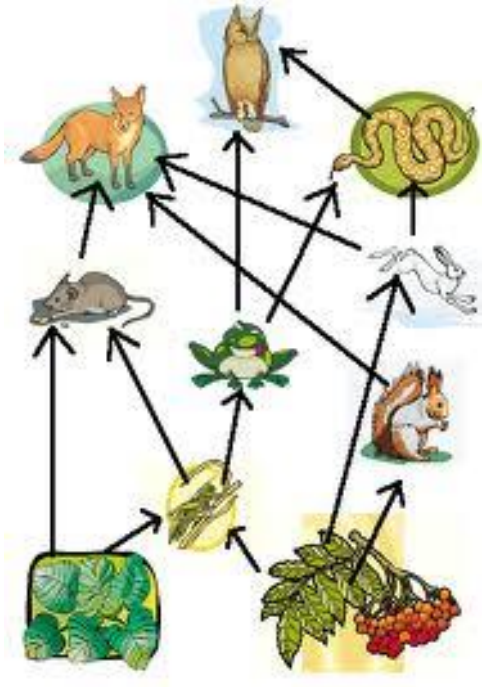
Food Chain/Food Web Practice

Use picture to answer 1-7



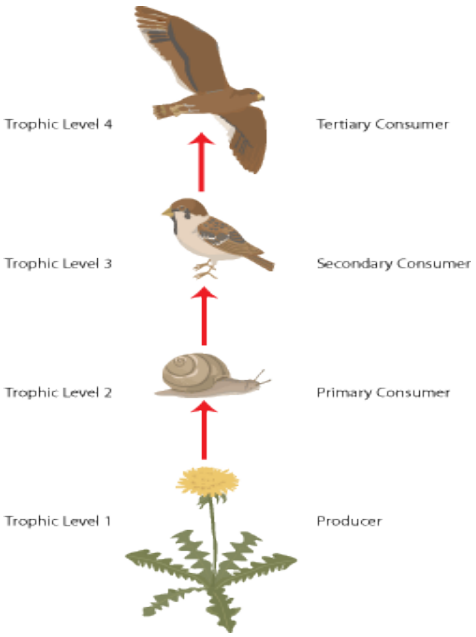
1. What is the producer in this food chain?
2. What is the autotroph in this food chain?
3. What are the primary consumers in this food chain?
4. What are the secondary consumers in this food chain?
5. What is the only tertiary consumer in this food chain?
6. Name all heterotrophs in this food chain.
7. How many kingdoms are represented in this food chain?

Use picture to answer 8-13



8. How many producers are in this food web?
9. How many autotrophs are in this food web?
10. From where does the snake get its energy?
11. What trophic level(s) is/are the fox included in?
12. What is the highest order consumer in this food web?
13. What is the ultimate source of energy for this food web? (May not be pictured)

Use picture to answer 14-18



14. Is this a food chain or a food web?

15. What is the ultimate source of energy for this food chain/food web?

16. How much energy (%) does the dandelion have?

17. How much of the original energy does the snail have?

18. How much of the original energy does the hawk have?

19. Complete the food chain with the correct arrows:

    Algae snail bass bacteria

20. What kingdoms contain at least some autotrophs? Hint: There are four.

21. What kingdoms contain at least some heterotrophs? Hint: There are five.

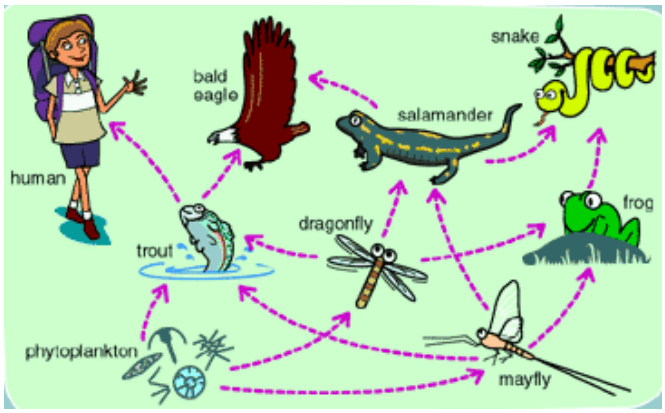
22. What kingdoms contain no autotrophs? Hint: There are two.

23. What cell organelle is it very important for autotrophs to have?

Label the following diagrams as a *food chain*, *food web*, or *energy pyramid*. Then, label each **trophic level** for each organism using: *producer, primary consumer, secondary consumer, or tertiary consumer*. Some organisms might have more than one trophic level name. If it is an energy pyramid, label the percentage energy flow starting at 100%.

1. _____

2. _____



3. _____

4. _____