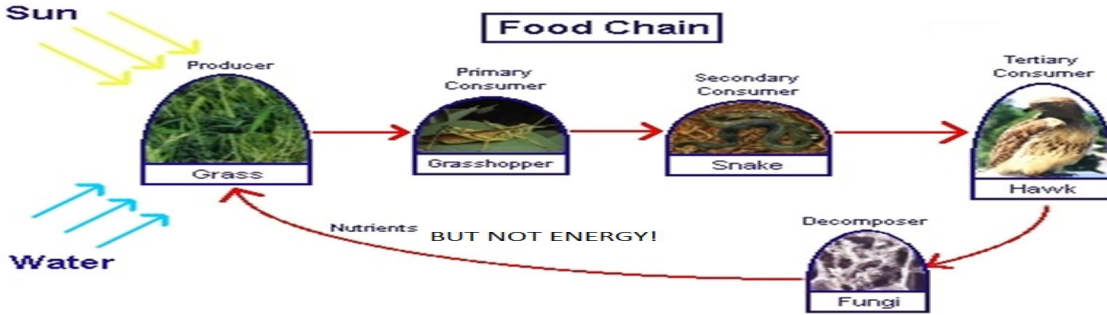


Trophic Levels & Energy Transfer 101 video notes



1. What is a Food Chain? \_\_\_\_\_

2. Write a short summary of what is happening in the diagram below.




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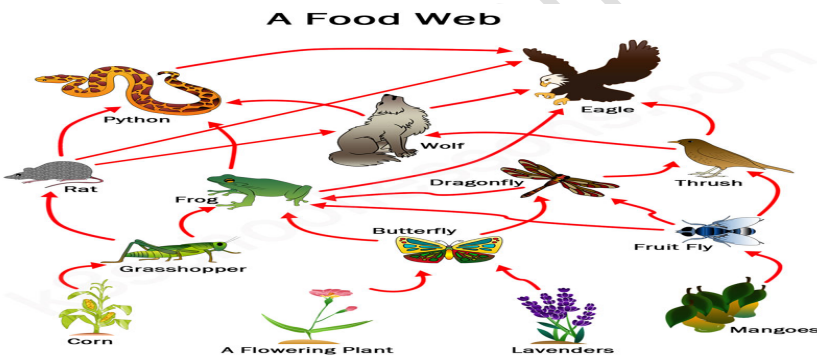
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3. Answer the questions below for the following food web.

- What are the producers in the food web? \_\_\_\_\_

- What are the primary consumers in the food web? \_\_\_\_\_

- What are the secondary consumers in the food web? \_\_\_\_\_

- What is top tertiary consumer? \_\_\_\_\_ What all does it feed on? \_\_\_\_\_

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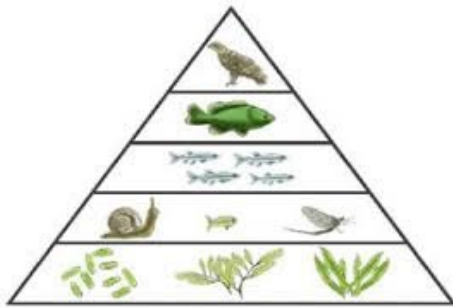
4. What are Trophic Levels? \_\_\_\_\_

	Energy Level	Producer, Primary consumer, Secondary consumer, Tertiary consumer
Grass		
Owl		
Mouse		
Grasshopper		

5. How is energy transferred as you move up an Ecological Pyramid? \_\_\_\_\_

What is most of the energy lost to? \_\_\_\_\_

6. Label the amount of energy that is being transferred as you move up this energy pyramid.



**Check for Understanding:** Answer the following questions by analyzing the energy pyramid and using your knowledge of energy transfer.

- Which level has the most energy? \_\_\_\_\_
- Which level has the most organisms? \_\_\_\_\_
- Which level has the least organisms? \_\_\_\_\_
- Which level has the least energy? \_\_\_\_\_
- How much energy is transferred as you move up each trophic level? \_\_\_\_\_
- What is most of the energy lost to? \_\_\_\_\_
- Bonus: Why is most of this energy lost to heat? \_\_\_\_\_