**Review Questions UNIT 6**

1. During the process of photosynthesis, what type of energy conversion is occurring?

**RADIANT ENERGY IS CONVERTED INTO CHEMICAL ENERGY**

1. What happens to light energy during the chemical reaction?

**IT IS CONVERTED INTO CHEMICAL ENERGY DURING THE REACTION**

1. In a food chain, where is light energy being converted? Label and draw a food chain.

SUN GRASS GRASSHOPPER HAWK **THE GRASS**

1. Why is it necessary to have sunlight in photosynthesis?

**THE PROCCESS CANNOT OCCUR WITHOUT ENERGY FROM THE SUN**

1. Where is radiant energy from the sun being converted into chemical energy?



**THE TREE, THE PLANTS, THE GRASS**

1. How much energy is passed on from one level of the food pyramid to the next?

**10%**

1. What is an energy pyramid? Describe the flow of energy in the pyramid?

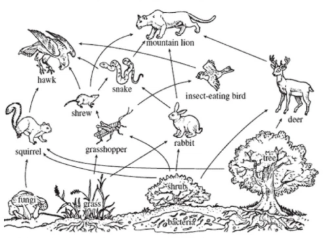
**AN ENERGY PYRAMID IS A GRPHICAL REPRESNTATION SHOWING THE FLOW OF ENERGY FROM ORGANISM TO ORGANISM**

**EACH GROUP RECIEVES ONLY A SMALL AMOUNT OF THE ENRGY FROM THE LEVEL BELOW IT**.

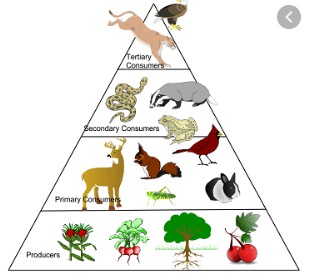
1. What kind of energy is stored in food?

**CHEMICAL**

1. What animal receives the most energy originally produced by the plants in the Food web?



**THE SQUIRREL, THE GRASSHOPPER, THE RABBIT, THE DEER**

1. Which consumers would receive the greatest amount of energy? Which consumers receive the least amount of energy? 

**GREATEST AMOUNT OF ENERGY**: **DEER, GRASSHOPPER, RABBIT, SQUIRREL, CARDINAL**

**LEAST AMOUNT OF ENERGY**: **EAGLE, MOUNTAIN LION**

**11)** What is the energy transfer that is occurring when an animal shivers? **CHEMICAL TO THERMAL ENERGY**