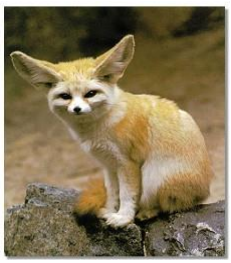
2G2 Biology Homework (Answer the questions in your book)

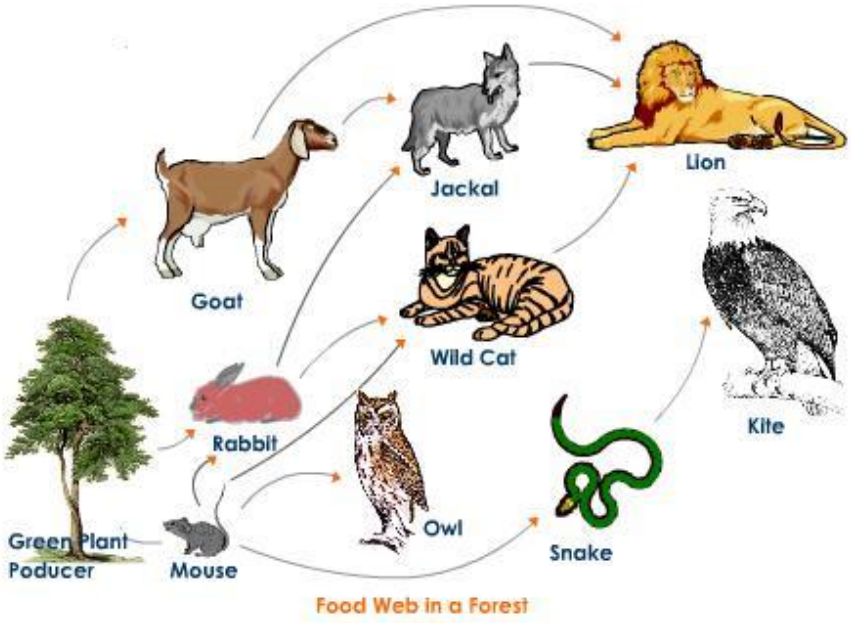



These two foxes are closely related, but because they have adapted to live in very different habitats they look very different

TASK 1: Compare the adaptations of a Fennec Fox (lives in the desert)and an Arctic Fox to their environments. (10)

Task 2: Explain the difference between a **habit** and a **habitat**. (4)

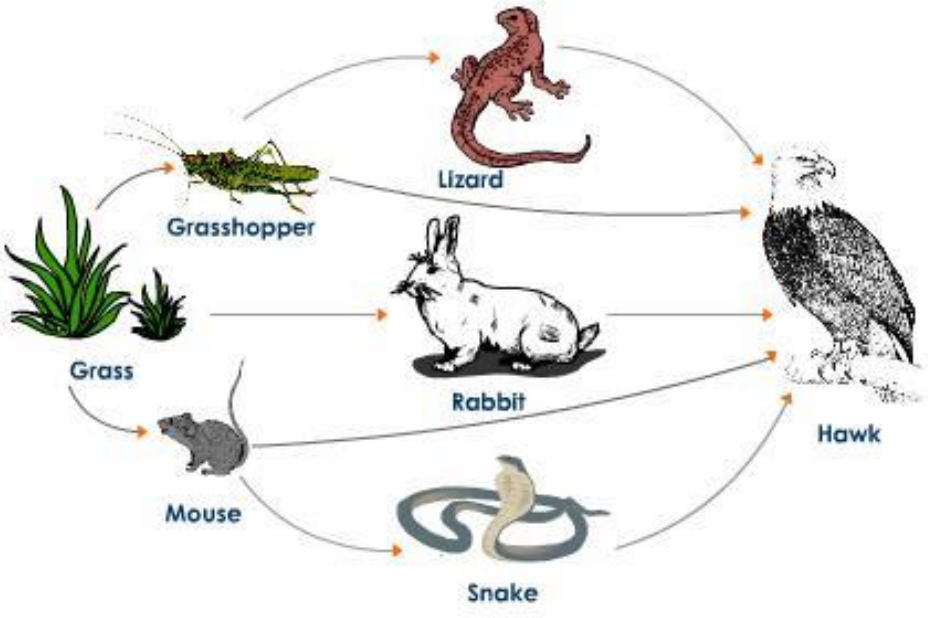
Task 3: Use the food web to answer the following questions.



Food Web in a Forest

1. Name the producers.
2. Which are the primary consumers?
3. Name the secondary consumers.
4. List all the herbivores
5. Which animals are insectivores?
6. Which animals are omnivores?
7. Are there any tertiary consumer? Can you name them?
8. Where does the energy for this ecosystem come from?(7)

Task 4: Use the food web to help you to answer the following questions.



A Food Web in a Grassland Ecosystem With Five Possible Food Chains

1. What do you think would happen to the numbers of all the other animals and plants if all the rabbits died from a disease,
   a. In the short term
   b. In the long term.
2. What do you think would happen to the numbers of all the other animals and plants if all the hawks were killed by people,
   a. In the short term
   b. In the long term.
3. What do you think would happen to the numbers of all the animals if most of the grass was destroyed by acid rain(pollution),
   a. In the short term
   b. In the long term. (12)

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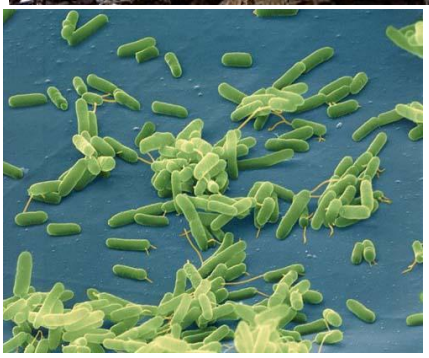
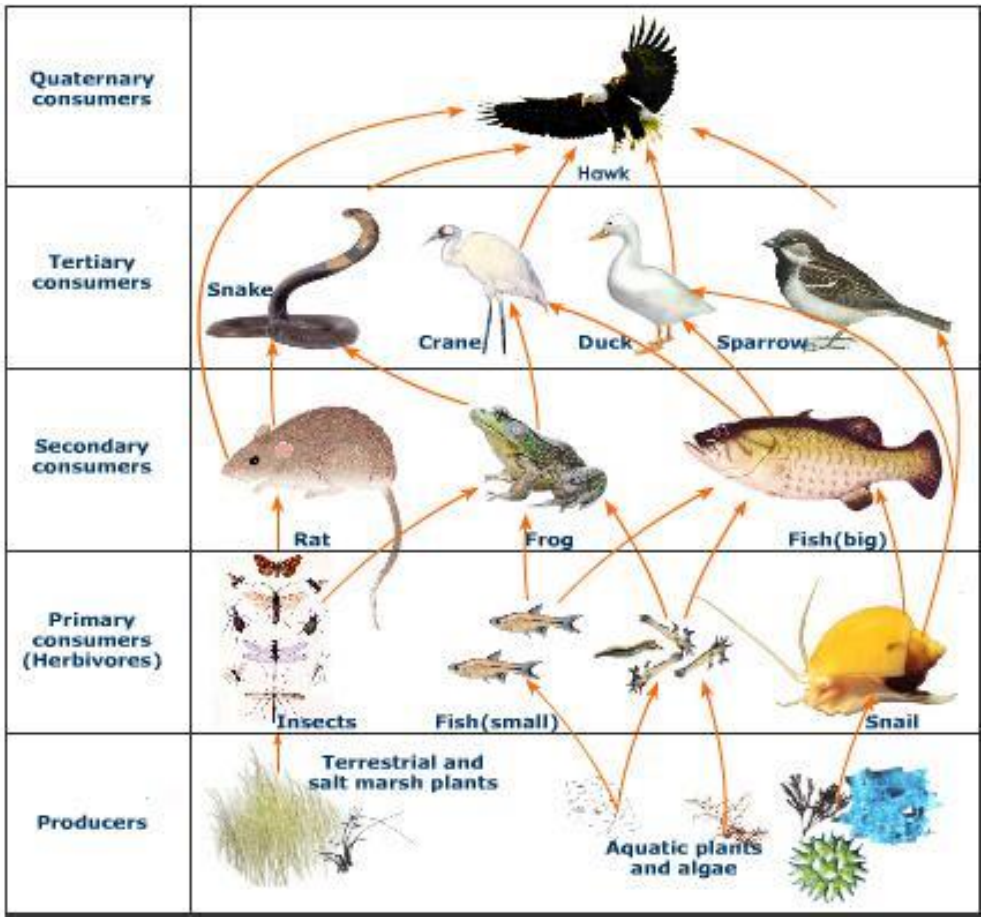


Task 5: These are all examples of decomposers. Can you explain why decomposers are important in an ecosystem? (4)



Task 6: Study the ecosystem shown in the food web. Think about the energy at each trophic level. Can you explain why a food web/chain usually has fewer than 5 trophic levels?