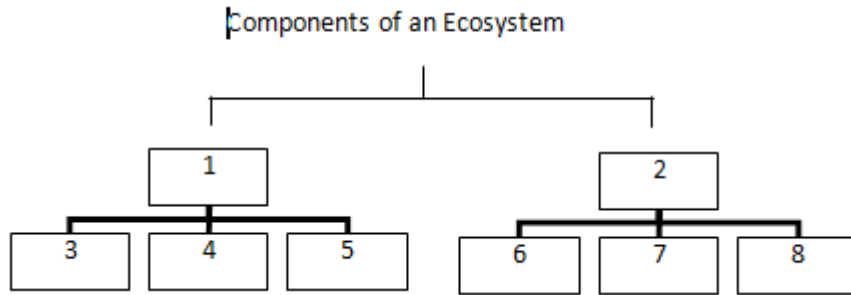


**National Institute of Open Schooling**  
**Senior Secondary Course: Environmental Science**  
**Lesson 5: Ecosystem**  
**Worksheet-5**

1. How would you consider a pond inside a garden as an ecosystem?
2. Fill in the blanks in the flow chart given below



What will happen, if any one factor does get disturbed? Explain with reasons.

3. Four functions of ecosystems make them dynamic in nature. Which functions are these? Explain in brief.
4. Why our oxygen supply does not get exhausted?
5. Below is the list of organisms, study the list and classify the organisms those can be producers /consumers/decomposers

Banyan	Cactus	Ferns	Spiders
Bird	Ant	Fish	Grass
Rat	Neem	Tulsi	Herb
Crow	Cow	Mucor	Hawk
Squirrel	Butterfly	Eagle	Wasp
Bufflalo	Lion	Parrot	Pig

- a. Which organism would you classify as producers?
  - b. Which organism would you classify as consumers, elaborate on their eating habits?
  - c. Which organisms would you classify as decomposers?
6. How do you interact with biotic and abiotic things of your surroundings? Explain in own words.
  7. Construct a food chain involving three trophic level or more. If the organisms received 2000 calories, then calculate the energy transfer at each subsequent trophic levels.

**National Institute of Open Schooling**  
**Senior Secondary Course: Environmental Science**  
**Lesson 5: Ecosystem**  
**Worksheet-5**

8. What role does a hawk play in its ecosystem? Is it a producer or consumer or decomposer? Explain it?
9. Do you think if the ecosystem is being damaged by human activity, could we try to reverse this? Agree or disagree, give reasons in support of your answer.
10. Explain how negative feedback mechanism maintains stability in a pond ecosystem.