

ECOSYSTEMS
SUBJECT: BIOLOGY
CHAPTER: 4
COMPONENTS OF ECOSYSTEM, FOOD CHAIN FOOD WEB.
PERIOD-2

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE

- Students will be able to understand components of ecosystem .
- Student will be familiarized with the biotic and abiotic components of ecosystem.
- They will be able to analyze various types of components of ecosystem.
- Learners will be sensitized about the difference between biotic and abiotic components..

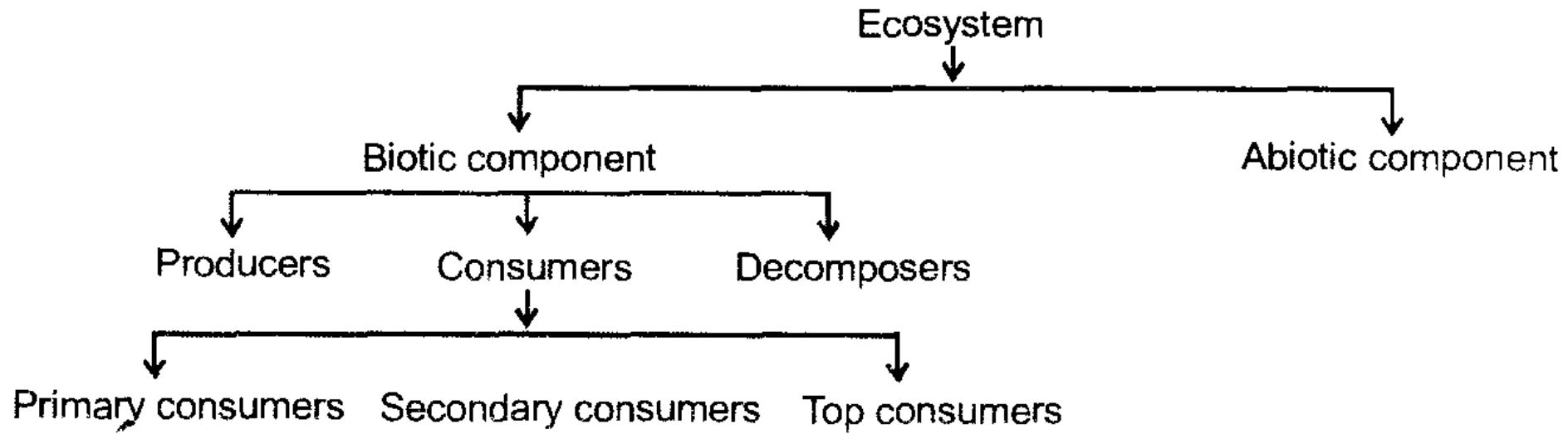


WARM UP QUESTIONS



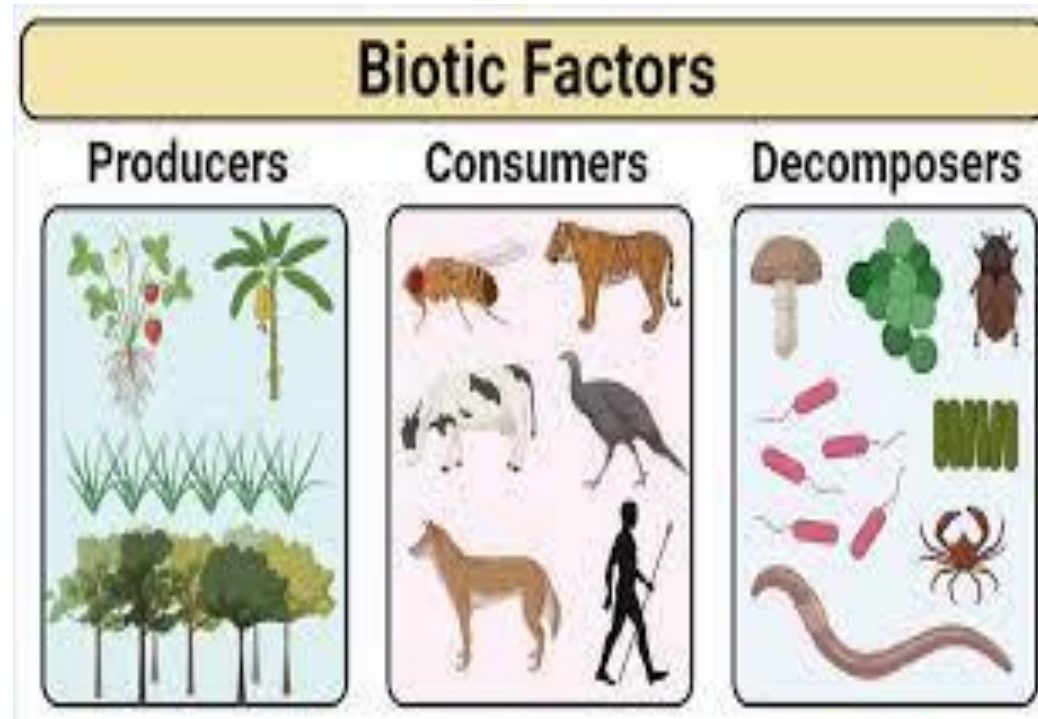
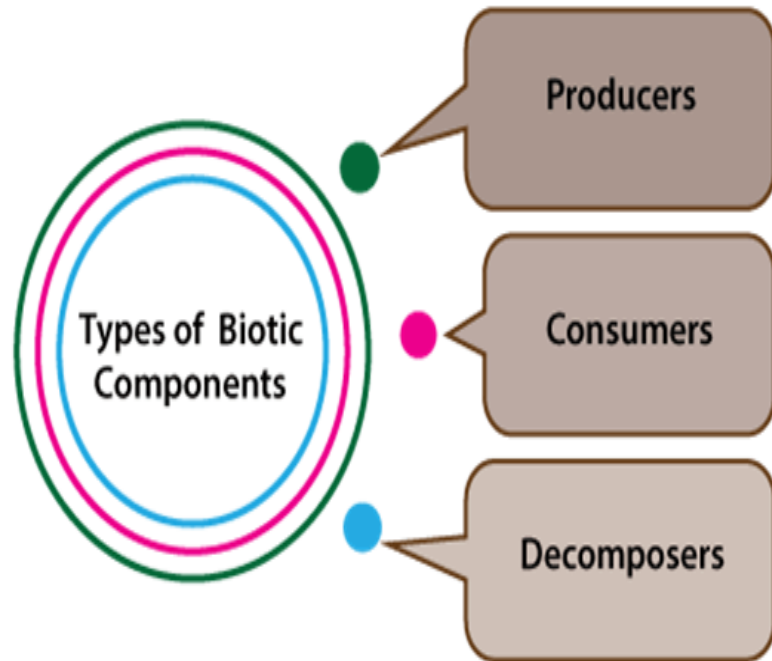
- Define components of ecosystem.
- Categorize the biotic and abiotic components.
- Identify various types of trophic level .

COMPONENTS OF AN ECOSYSTEM

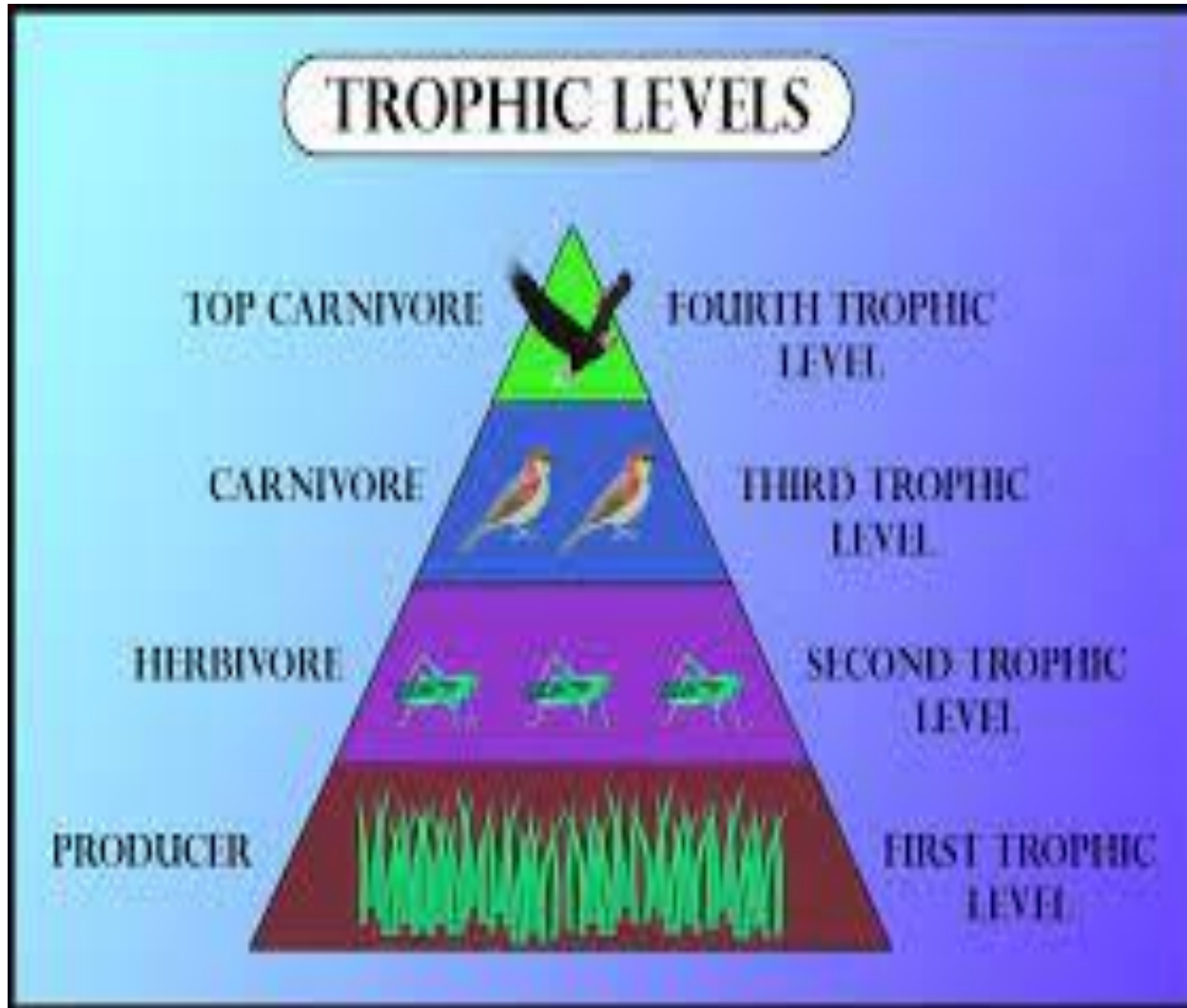


BIOTIC COMPONENTS

- Biotic components are the living things that have a direct or indirect influence on other organisms in an environment. For example plants, animals, and microorganisms and their waste materials.



TROPHIC LEVEL



SCAVENGERS

Scavengers



www.exploringnature.org

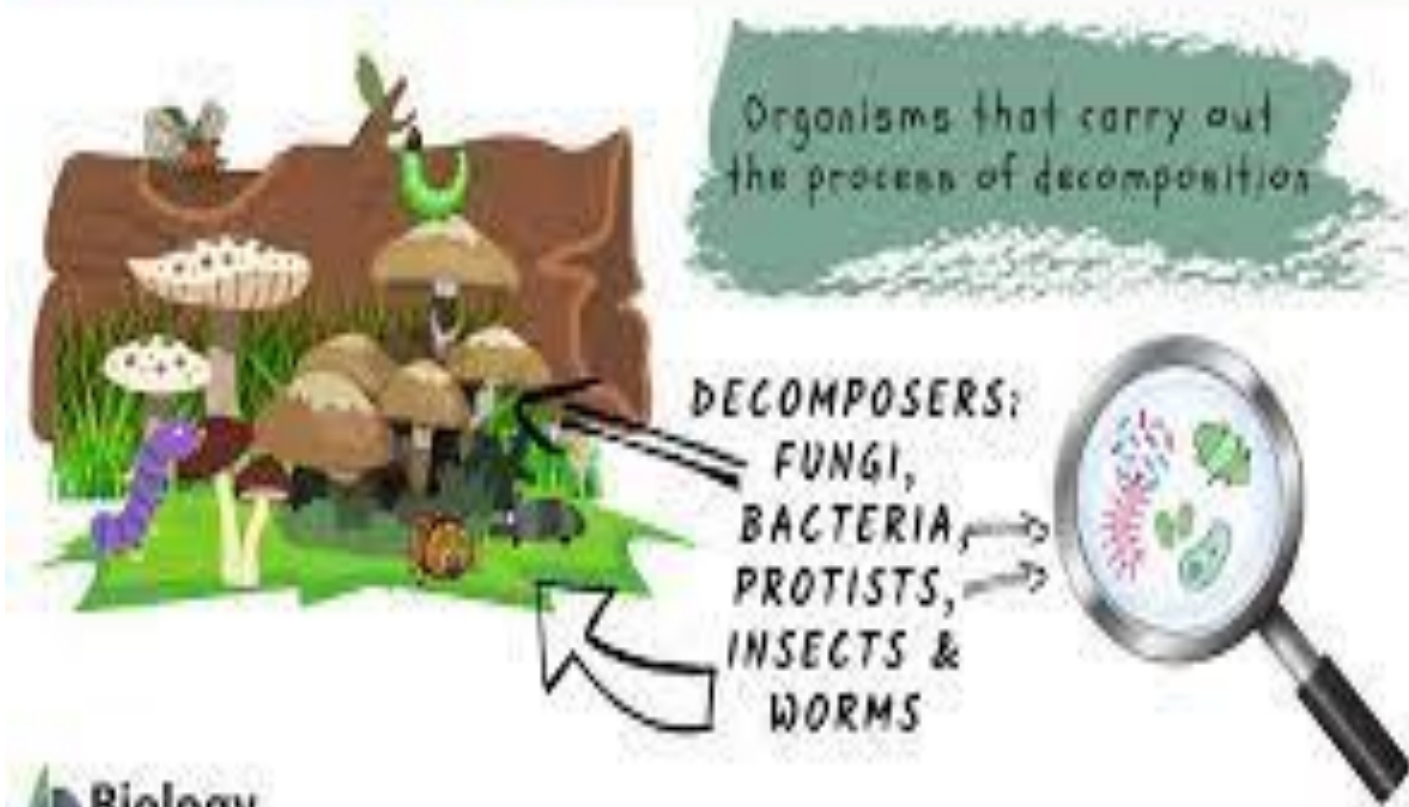
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DETRITIVORES



DECOMPOSERS

Decomposer



ABIOTIC COMPONENTS

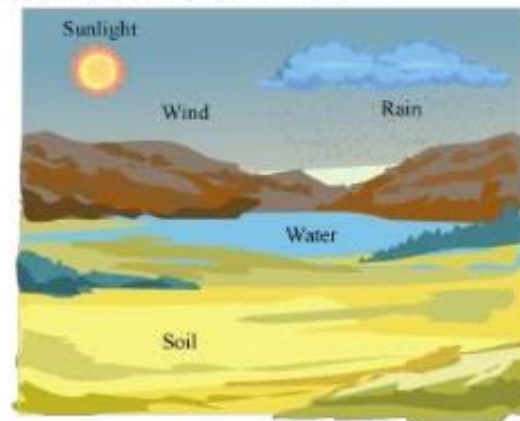
- Abiotic components of an ecosystem include all chemical and physical elements i.e. non-living components. Abiotic components can vary from region to region, from one ecosystem to another. They mainly take up the role of life supporter

ABIOTIC COMPONENTS

- **Non-living** factors that living things need to survive

Examples:

- Soil
- Sunlight
- Water
- Air
- Temperature
- Inorganic Nutrients



- <https://www.youtube.com/watch?v=k-pH7yRk8SI>

HOME ASSIGNMENT

Q1. What are ecological pyramids?

Q2. Differentiate between upright pyramid and inverted pyramid.

Q3. What is the role of decomposers in the ecosystem?

Q4. What are the importances of decomposers?



THANKING YOU
ODM EDUCATIONAL GROUP.