1. Ecosystems



- cosystem Interaction between living and non-living components

He envisionment/habitat is k/a ecosystem." Living component of environment is L'alled biotic component.

Ma-living component at a abietic component



=) Ecology: The study of interaction between living oned non-living components of the convironment

* Sun is the primary sowre of energy in any ecosystem.

Components of an ecosystem

Biotic components of an ecosystem are.

- 1 Producers
- (Consumers.
- 3 Decomposers.

Troducers:

Green Plants are producers as they make food for themselves as well as for other organism. (using sunlight)

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Consumers: Plants and plant products are consumed as food by nerbivosus Consum d crosystem. consumers (ornivosus. Consumers Consumed Ter hary Top cornivores Consumers.

tor ey: Lion is top carnivores

when animals (herbivosus or (arnivores) die, Some animaled feed on the carcass, these animals are called Scavengers. eq. Valture is a scavenger.

Scavergers are de also consumers.

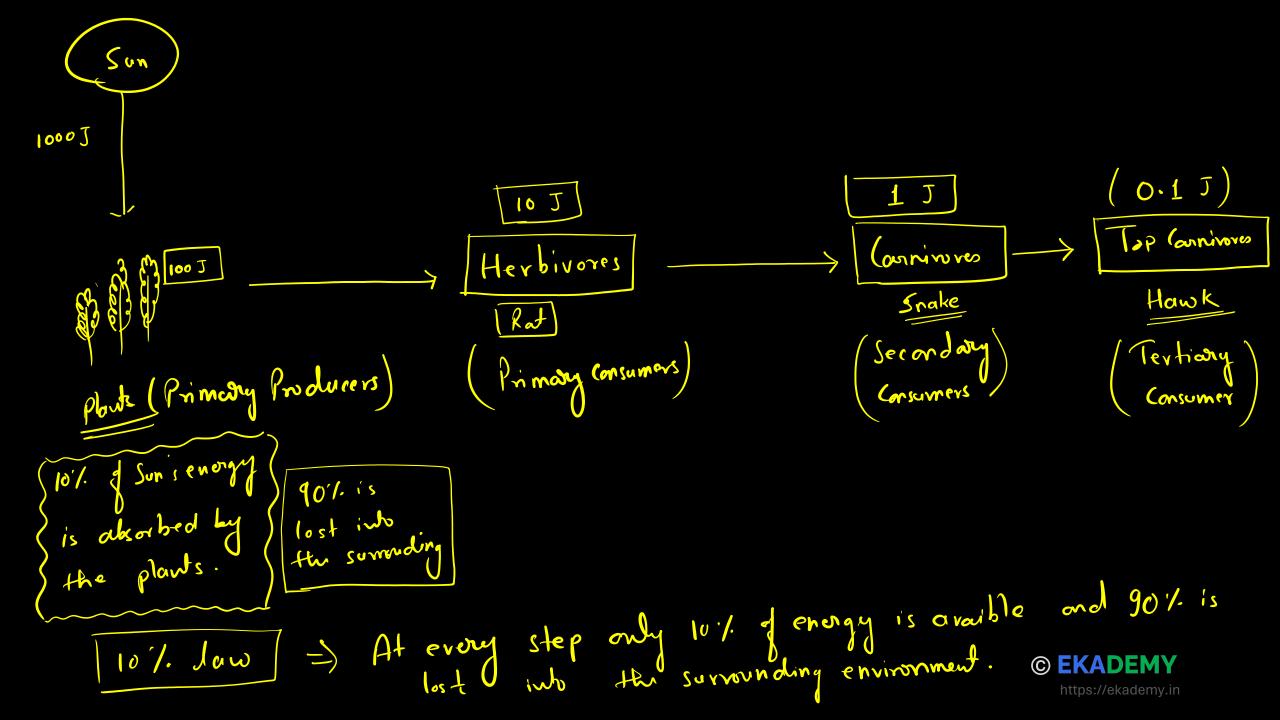


Decomposers

When plants and animals die, the microorganism

present in soil decomposes the dead matter.

These microbes are called decomposers.



Types of Ecosystem.

- · Gross Ecosystem Grassland Ecosystem
- · Forest Erosystem.
- · Pond Ecosystem
- . Sea marine Ecosytem.

1) Grossland Ecosystem.

· Main producer is the Grass.

· Primary Consumers: Crosshoppers, termines., rabbits, sheeps, Grazing animals

· Secondary consumers: Frogs lizands, the etc.

· Pirliary Consumers: snakus.

· Top counivores: Hawk.

Ecosylem prest Main Producer :- Trees and Kinnary Consumers: deer, elephant, beetle, etc. Small Carnivatus: fores, walves, snakus, etc., walverine, etc. (Secondary Consumers

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ligers, Lions, Bears. Top cornivores: -> Tertiony (arrivores) Shallow water hody (Still water) Pond Ecosystem: Agrectic Plant Aquate plants on
the edge of Pand

The edge of Pand Primary Producers: Algas, Agrandalbut. Lotus, wheretily, Water Hydink. Prinary Consumers: > Small fish, insects. Serondary (onsumers: + Krog, large fish, aquintie snakes.

lerhony (oncumers: -> Eagle, Kingfisher, t Every ecosylem hos microeyonism (bacteria) er fungi Rile is he decompose dead organism Sea or Marine Ecosystem. -> They are like p and exosystem except it is much bigger, saltewater, H.W. Primary Produces:

Primary Consumer:

Secondary Consumer:

T. J.W. ertary Consumer:

Food Chain and Food Web: no chain gross -> Grosshopen -> frog -> Snakes -> Hawks. Tiger Lions Food Chain: A linear link between Various organisms for the purpose of food. Ford Web Interconnected network ord chain. is foud chain.

Producers -> Herbivones -> Small carnivones)
Omnivones

Grass -> Deer -> Lion 7:(1) Gross -> Rabbit -> Tiger. n Leaves -> Elephant Algre -> Fish -> Seal -> Shark/whales Intervoven pattern of several interconnected tood chains is known as a food web. tood Web:

End of the chapter

