

ECOSYSTEM

Self regulatory.

Self sustaining.

Self-Maintenance.

- Natural or Artificial.
- Complete and incomplete.
- Permanent and Temporary.

large ecosystem

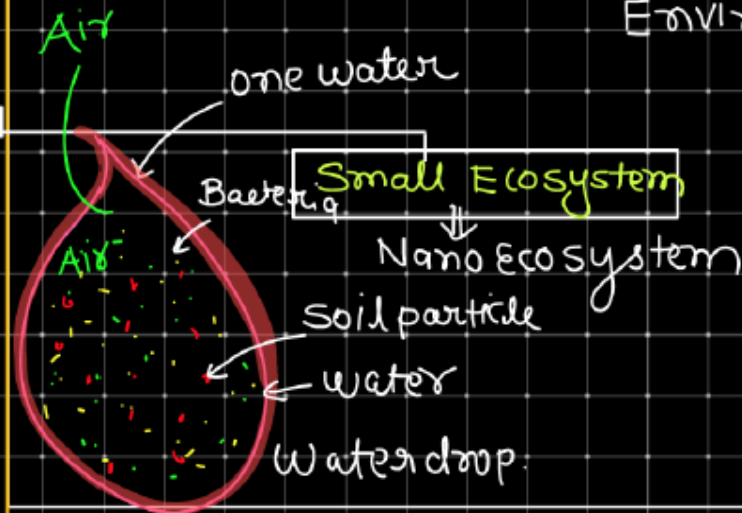
Mega Ecosystem

Sea ocean

A.G. Tansley - The term 'ecosystem':
Acc. Structural and functional unit of Nature

E. P. Odum - Father of Ecosystem

Smallest structural and functional unit of Nature or Environment.



TYPES OF ECOSYSTEM

Natural ecosystem

Artificial Ecosystem

Terrestrial Ecosys

Aquatic Ecosystem

Human
eg - Garden, aquarium
Coopland.

eg - Forest Ecosystem
Grassland
Desert Eco

Lentic

Lotic

Stagnant water
eg pond & lake

Running water
eg - River

On the basis of size Types Ecosystem

Megaecosystem

Macroecosystem

Micoecosystem

Nanoecosystem

eg - Sea / ocean

Forest

pond

Drop of water.

COMPONENTS OF ECOSYSTEM

Biotic

All living plant and animal.

Producers

All living plants

Autotrophs

Primary consu.

1

Consumer's

Heterotrophs

Secondary consumer

2

Tertiary consumer

3

Abiotic

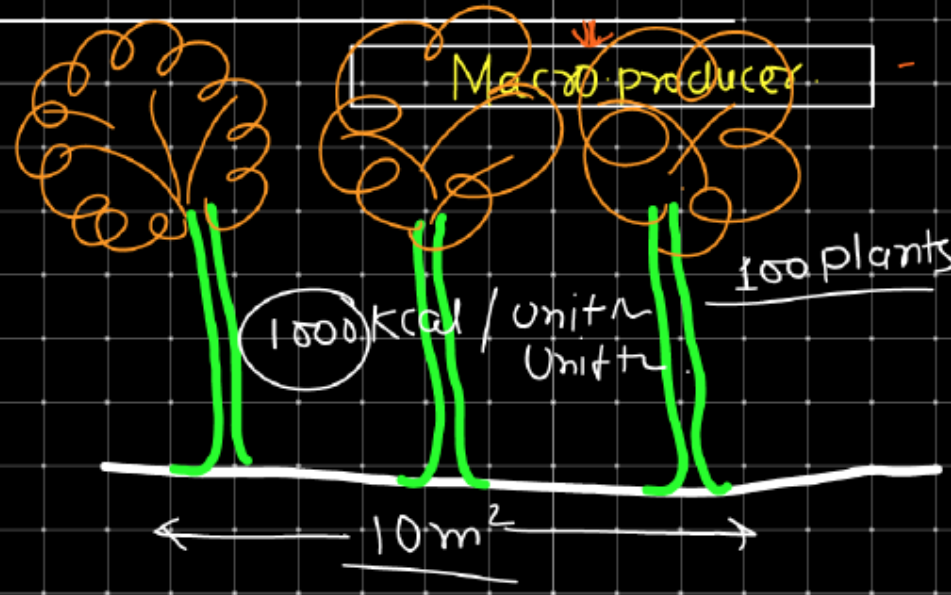
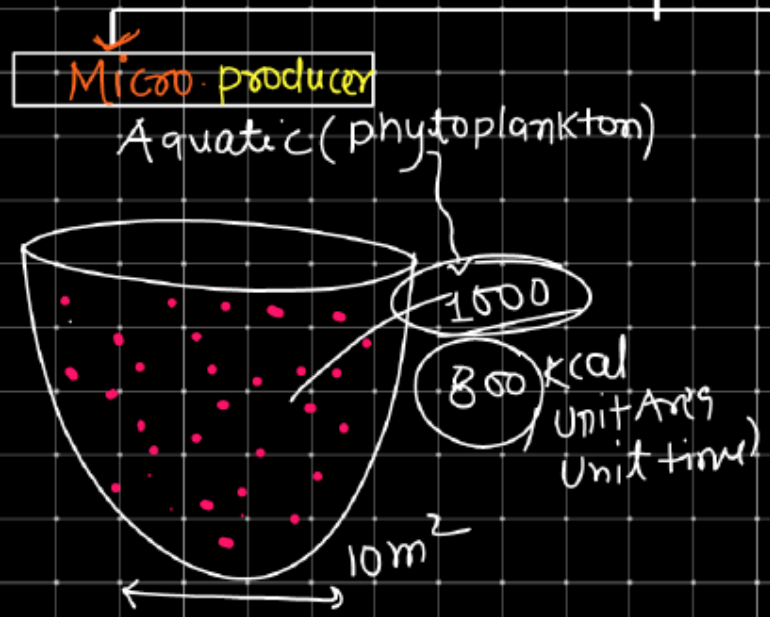
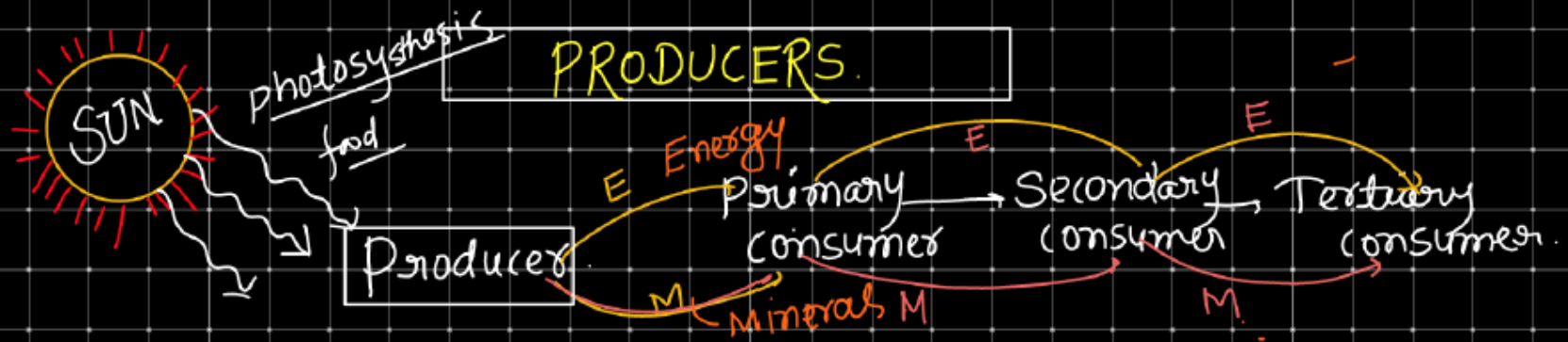
• Temperature

• light

• Soil

• Air

• Water



CONSUMER'S

Heterotroph's

(First ingest then digest)

Macro consumers

Holozoic
phagotrophs.

Micro Consumers

Predator

✓ Kill
eat

Scavenger

dead matter

Primary
Consumer

Cow
grazing cattle
Herbivore's

Secondary
Consumer

Dog,
Cat
Snake

Tertiary
Consumer

Lion
Man