



SNS COLLEGE OF TECHNOLOGY

Vazhiampalayam, Coimbatore-35

(An Autonomous institution)

Accredited by **NBA-AICTE** and Re-Accredited by **NAAC-UGC with A+ +Grade**

Approved by **AICTE**, New Delhi & Affiliated to **Anna University**, Chennai



DEPARTMENT OF PHYSICS

**COURSE NAME : 23CHT103 ENVIRONMENTAL SCIENCE
AND SUSTAINABILITY**

I YEAR / I SEMESTER

UNIT : 1. ECO SYSTEM

TOPIC : 1. INTRODUCTION TO ECO SYSTEM



BRAINSTORMING





INTRODUCTION



ENVIRONMENT

The sum of total of all living and non-living things around us influencing one another

ENVIRONMENTAL STUDIES

The process of educating the people for preserving quality environment





INTRODUCTION



ENVIRONMENTAL SCIENCE

Study of environment, its biotic and abiotic components and their interrelationship

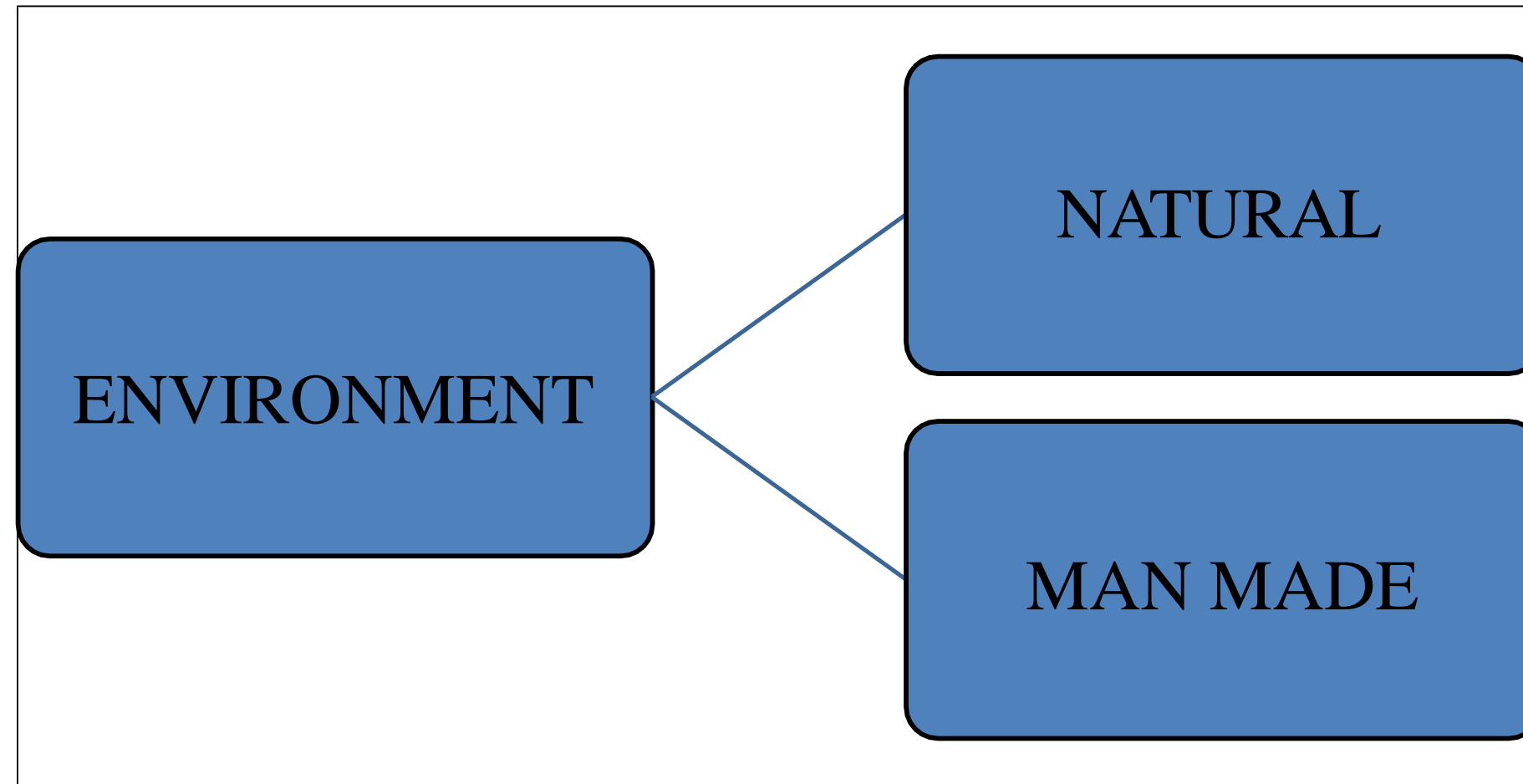


ENVIRONMENTAL ENGINEERING

The application of engineering principles to the protection and enhancement of the quality of the environment and public health and welfare



TYPES OF ENVIRONMENT



NATURAL: Biotic & abiotic components through natural process
MAN- MADE: Modified environment with modern technologies





ECOLOGY

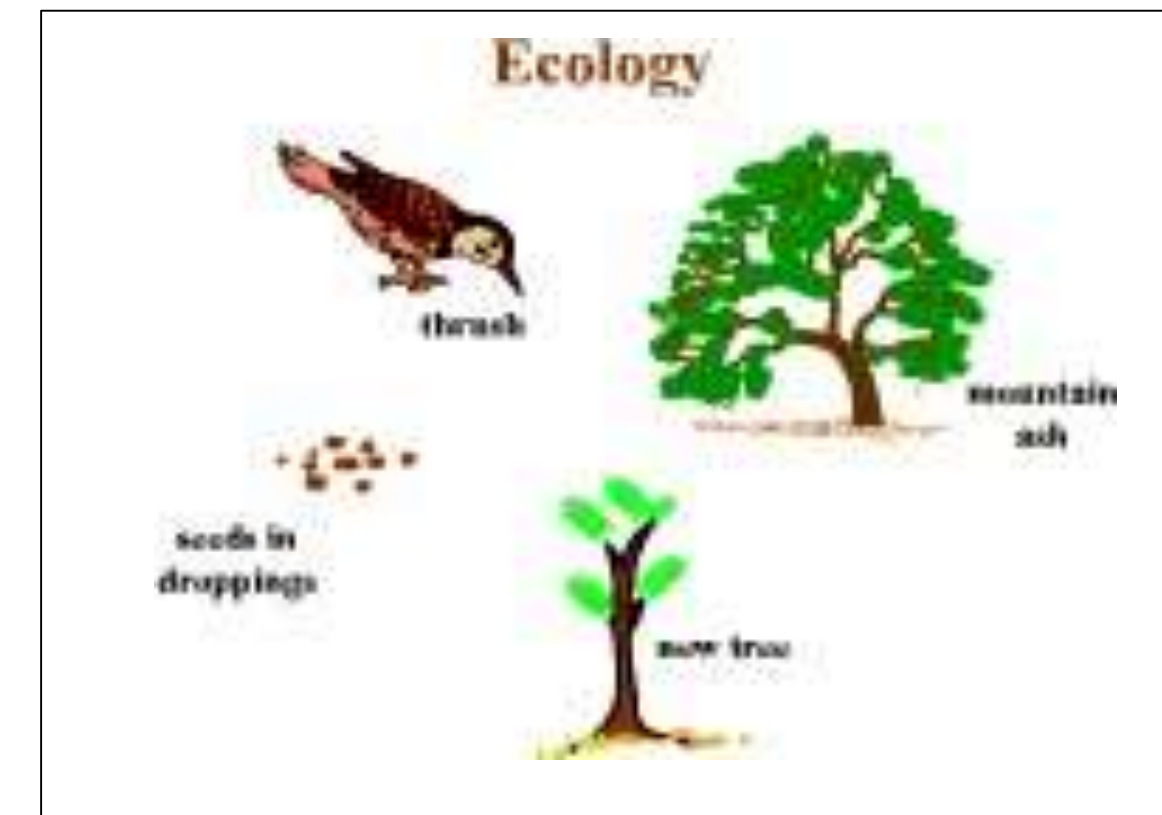
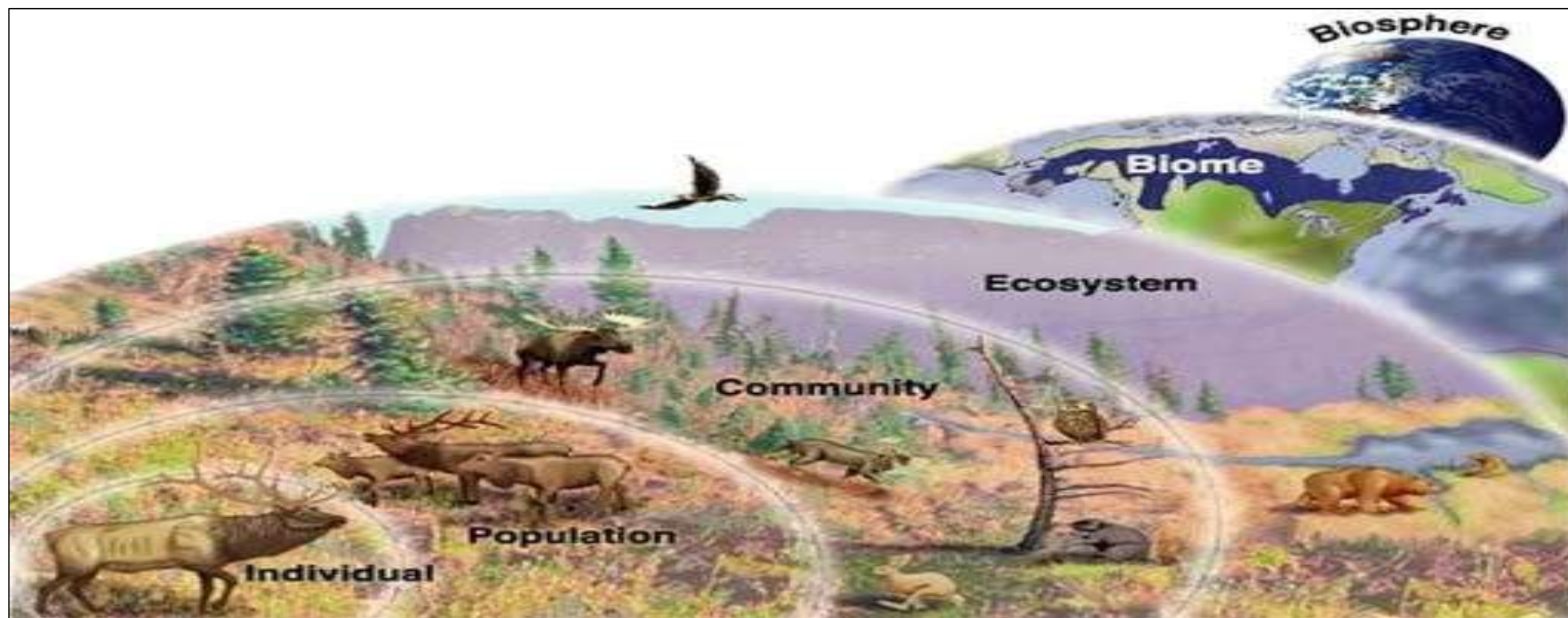


ECOLOGY:

Study of an ecosystem (or) Study of interactions between the biotic and abiotic components with environment

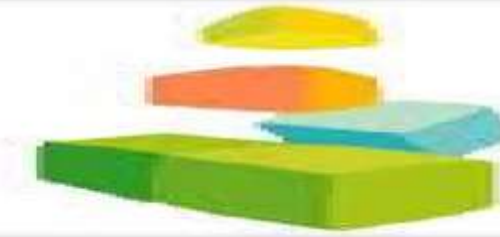
Biota: Set of living things in a particular time or place.

Biome: Set of ecosystem. (a small ecosystem with in an ecosystem)





Activity



- How can two people fairly share a cake with a single knife cut?



Ans : The first person begins by dividing the cake into two pieces. Then the second person chooses which piece they will take. This means both sides will be satisfied

- What Can You Catch but Not Throw?

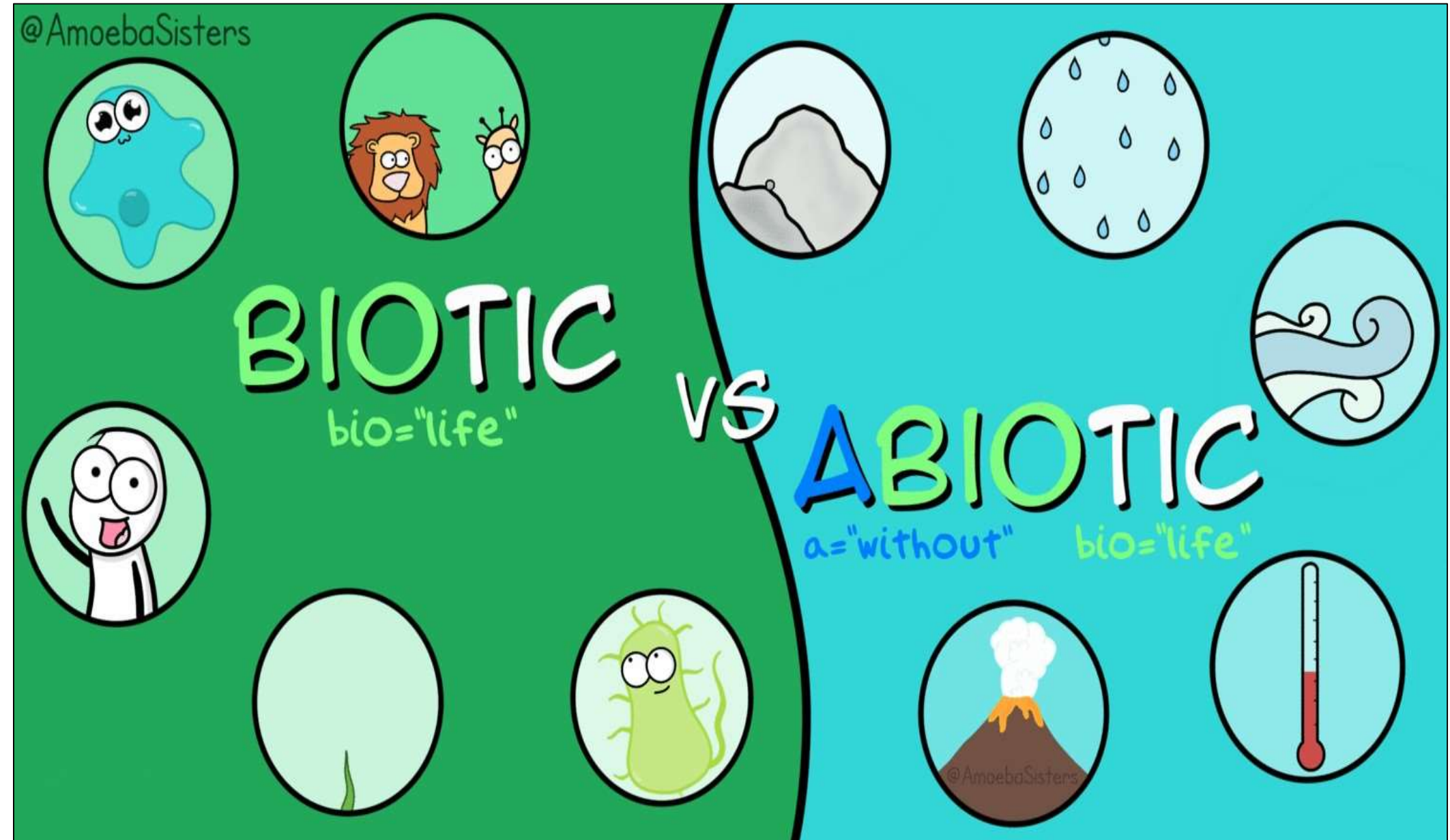


Ans : Cold!



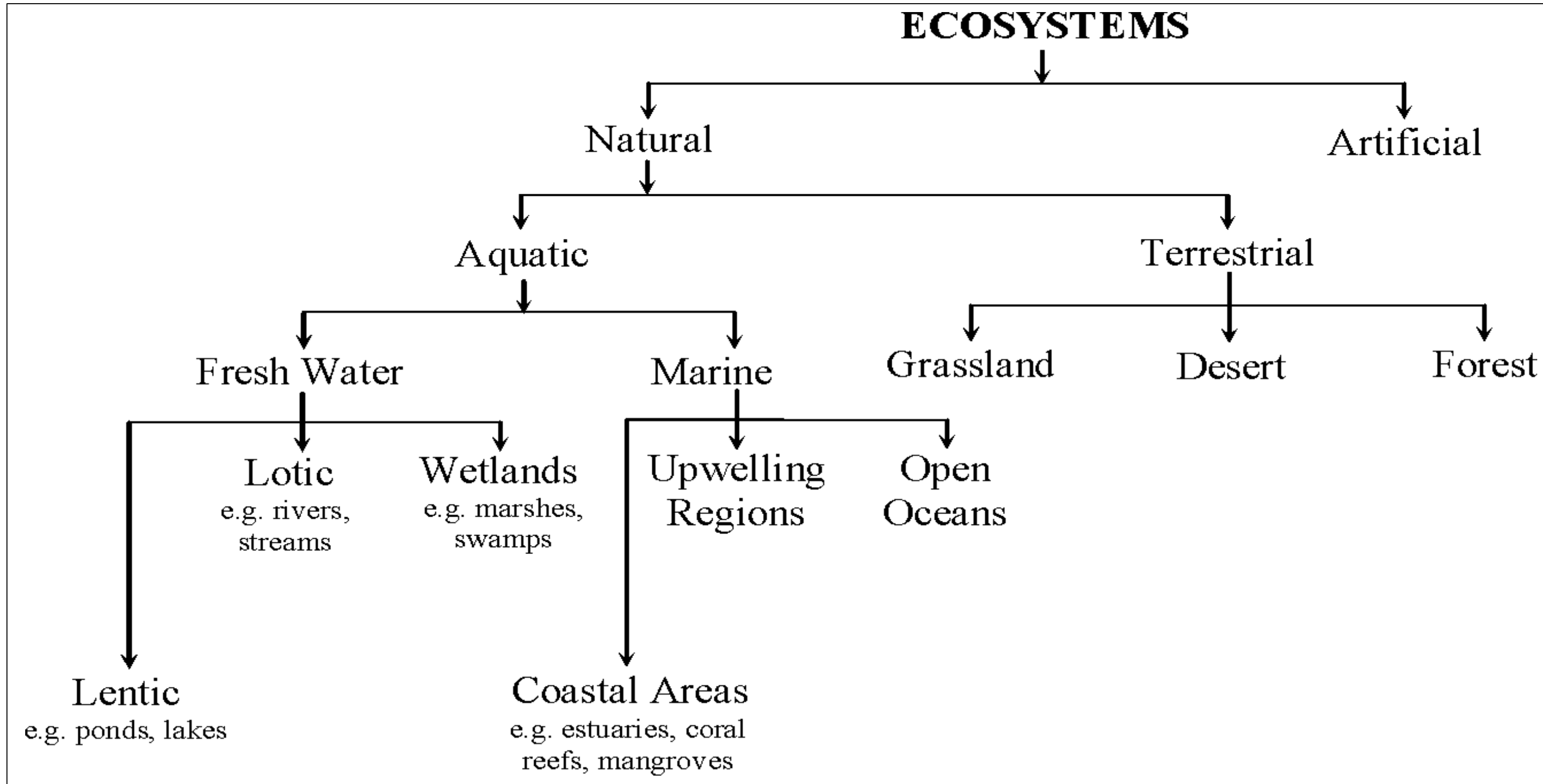
COMPONENTS

- **Abiotic/Non living components**
- **Biotic/ Living components**
- **Energy components**





TYPES OF ECOSYSTEM





ASSESSMENT



- 1. Draw flow chart for various types of an ecosystem.**
- 2. Mention the components of environment and ecosystem.**



SUMMARY



REFERENCES



1. Dr. A.Ravikrishnan, Environmental science & Engineering” Srikrishna hitech Pub. Co. Ltd,2013.
2. G.Tayer Miller :Environmental Science”, Cenage Learning India Pvt Ltd, 2011.
3. Benny joseph, “Environmental science & engineering” Tata McGraw-Hill.Pub.Co.Ltd. New Delhi.2009.