



# **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 : 19HST102- ENVIRONMENTAL SCIENCE**

**I YEAR / II 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



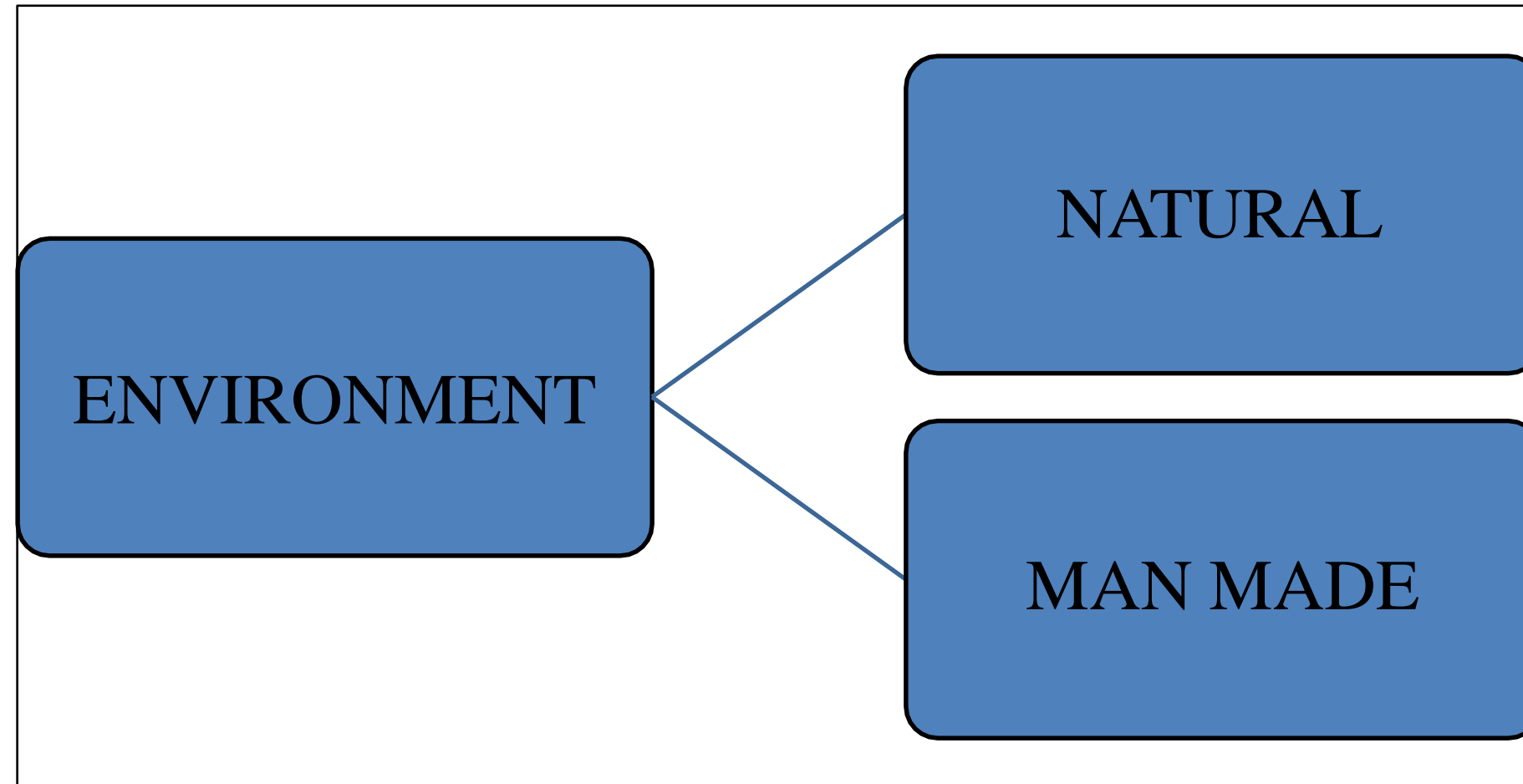
## ENVIRONMENTAL ENGINEERING

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

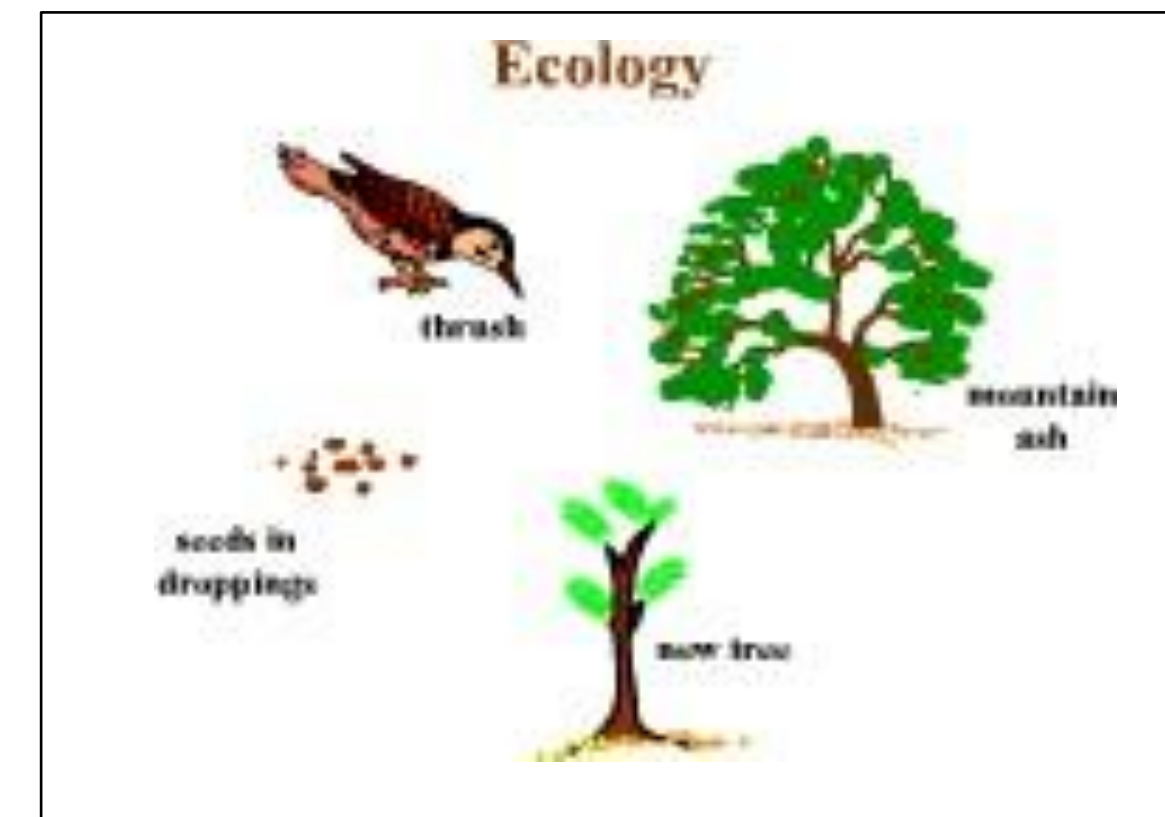
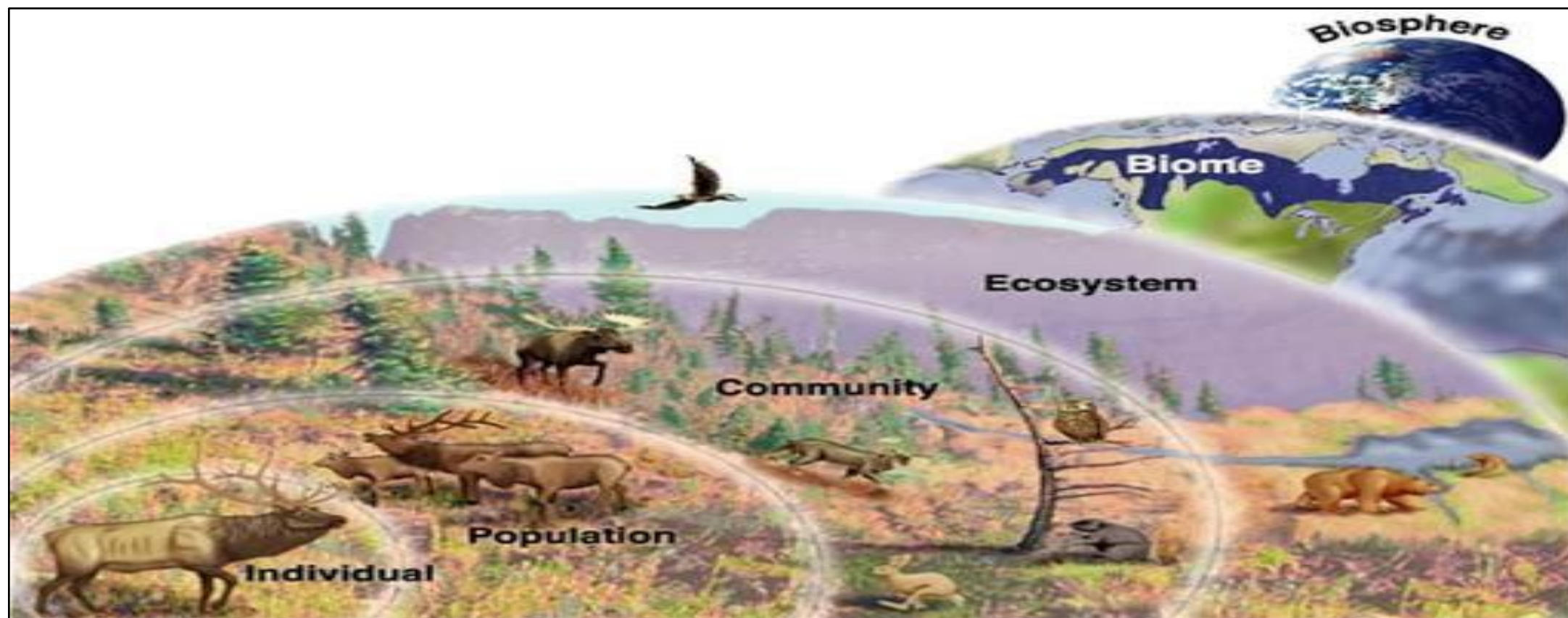


## ECOLOGY:

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

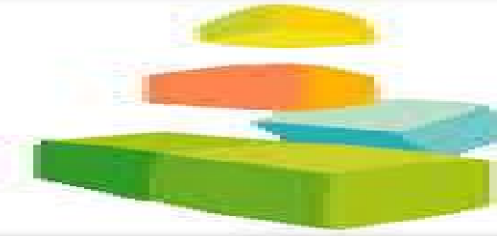
**Biota:** Set of living things in a particular time or place.

**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?



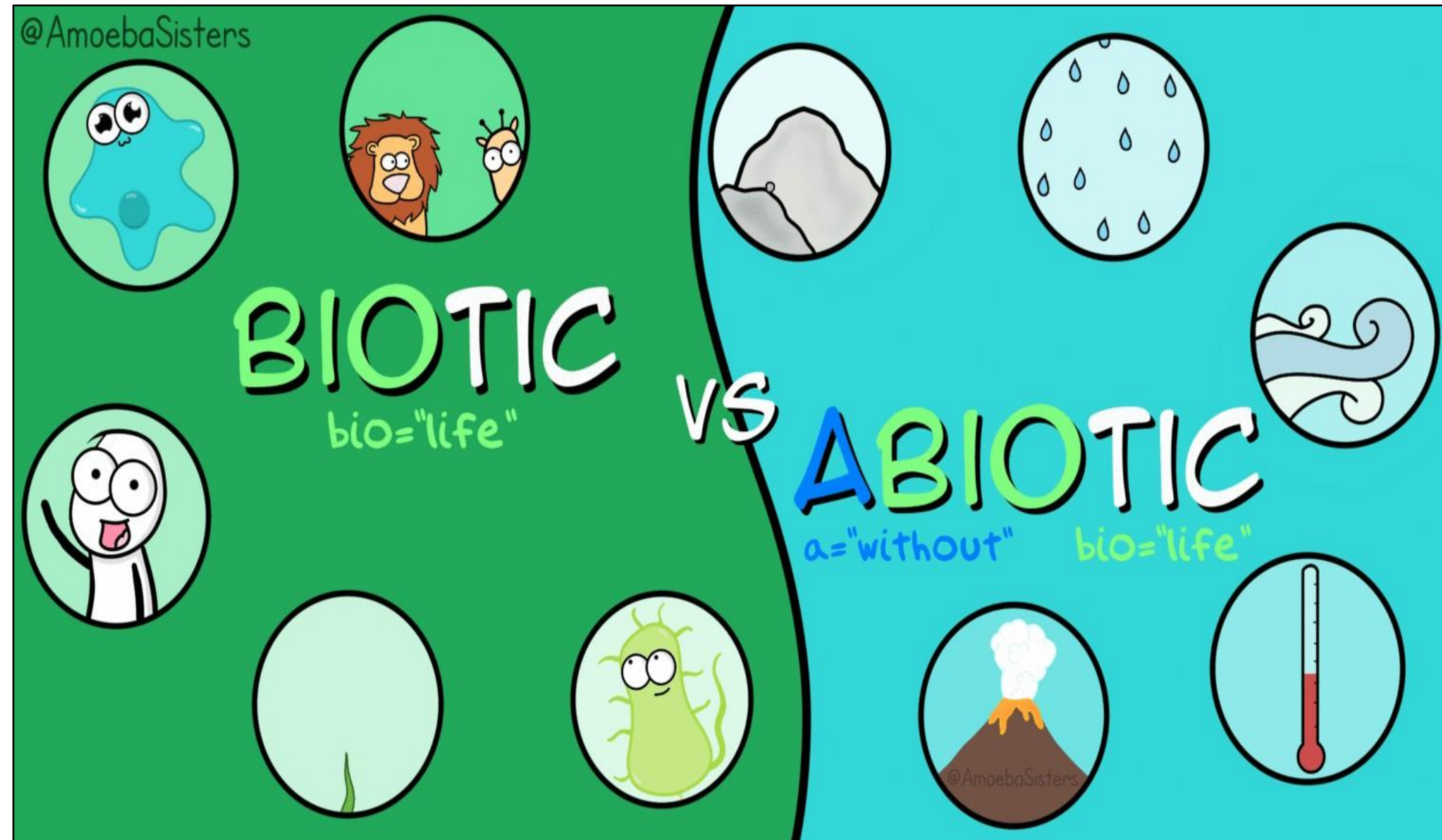
**Ans :** Cold!





# COMPONENTS

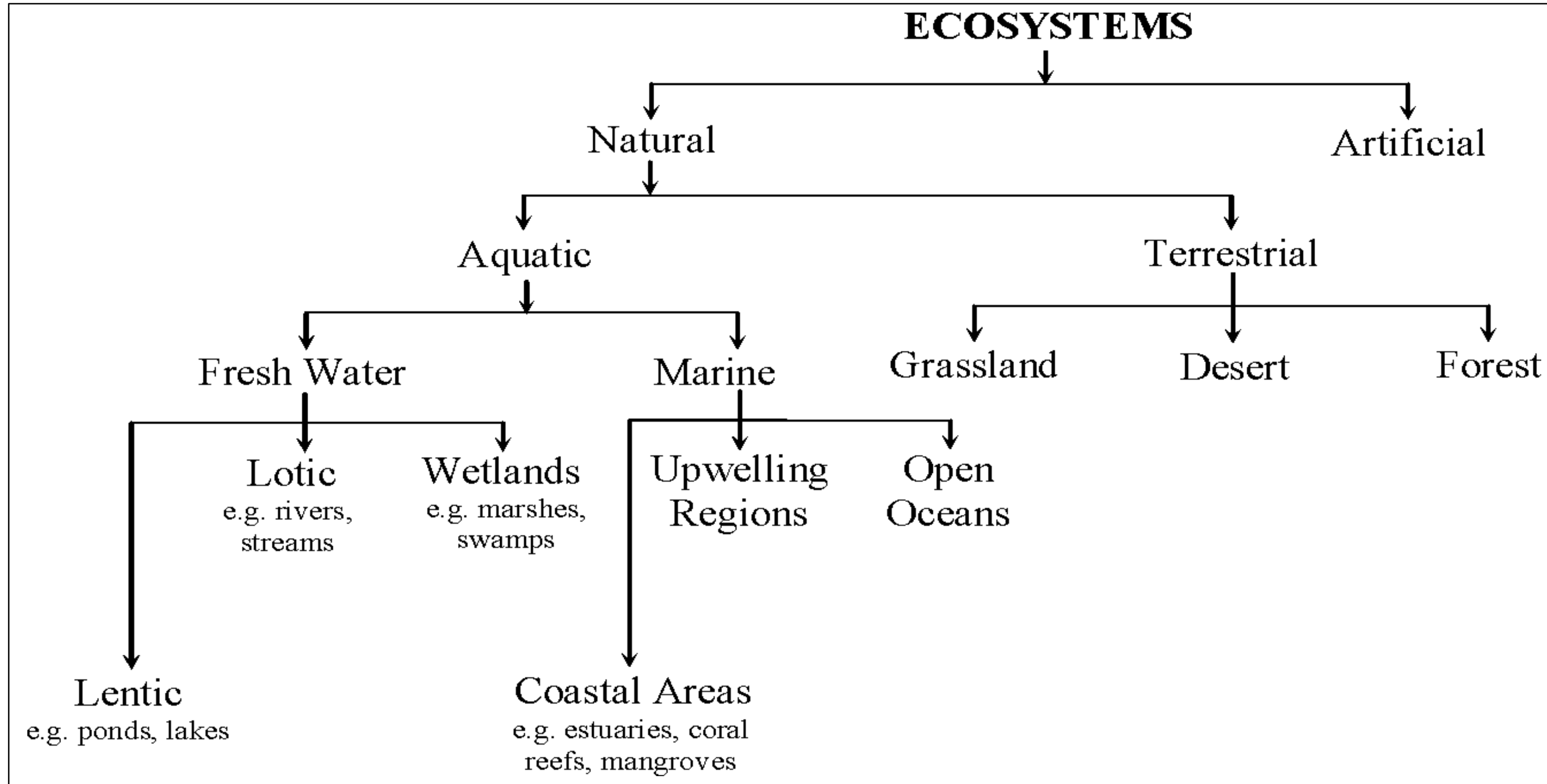
- **Abiotic/Non living components**
- **Biotic/ Living components**
- **Energy components**







# TYPES OF ECOSYSTEM











# 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.