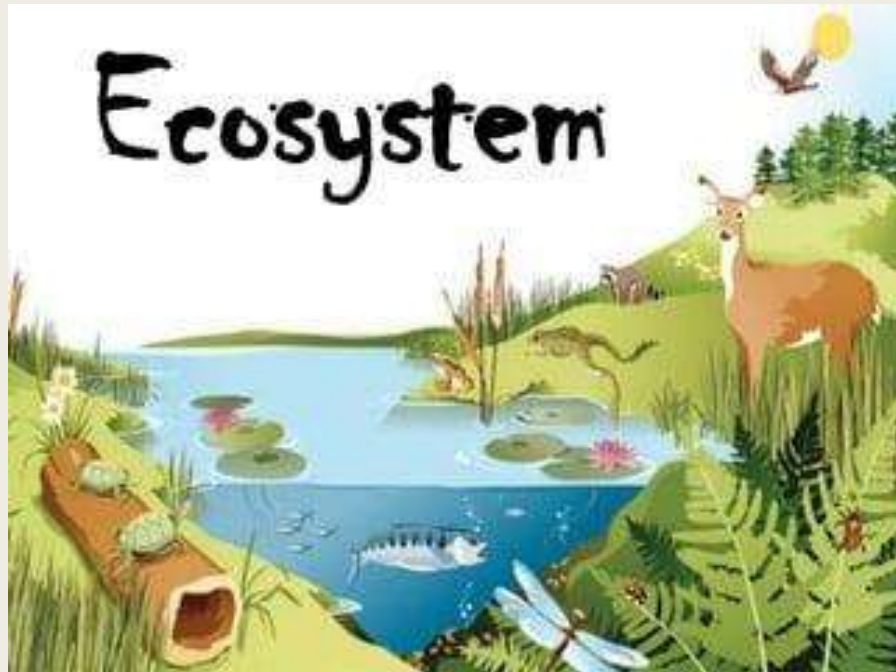


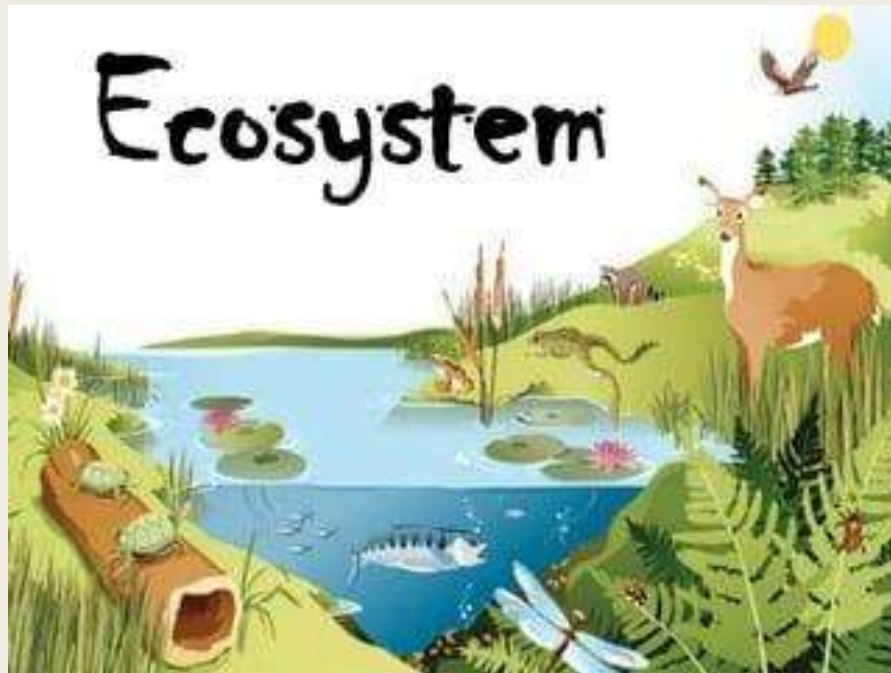


# ECOSYSTEMS



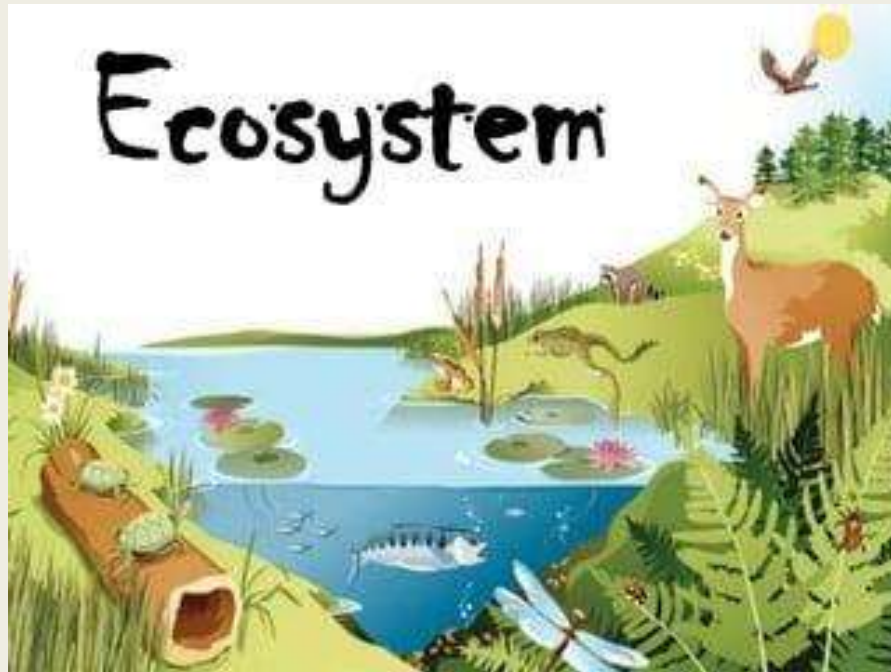
What is an  
Ecosystem?

An ecosystem  
is a physical  
environment  
and all the  
living and  
nonliving  
things in it.



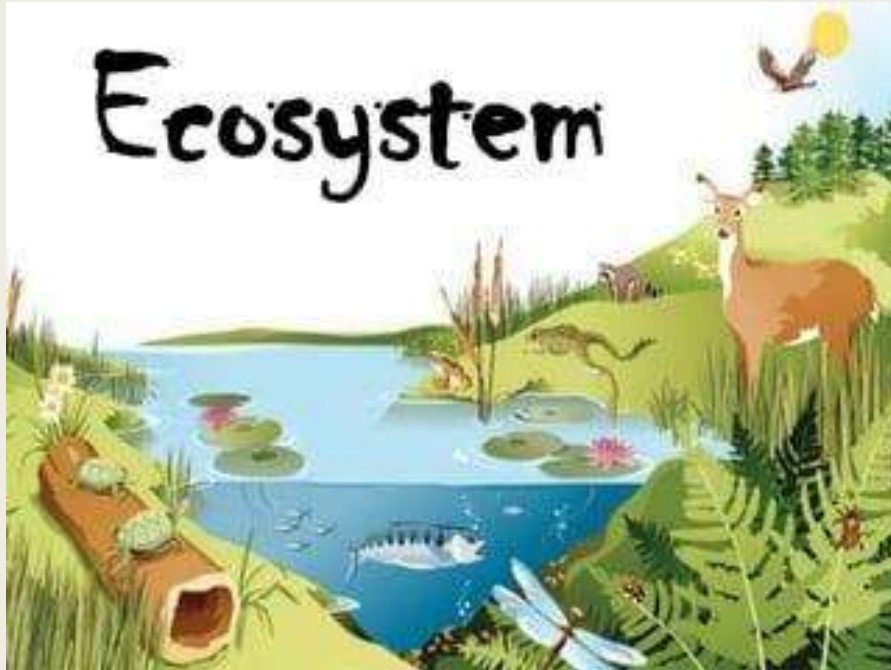
What is an  
Ecosystem?(Fill  
in the Blank!)

An ecosystem is  
a physical  
environment  
and all the  
living and  
non-living things  
in it.



In an ecosystem the living things interact with each other and with the nonliving things like the soil, water, and air.

# Ecosystem



Fill in the Blank!

In an ecosystem the living things interact with each other and with the nonliving things like the soil, water, and air.

# Living



A **Living thing** is something that grows, changes and reproduces. A **Living thing** needs air, food and water to live.



# Biotic



Fungi



Plants



Animals



Protists



Archaea



Bacteria

Living things  
in an  
ecosystem  
are called  
**biotic**  
**factors.**



EXAMPLES OF BIOTIC FACTORS:

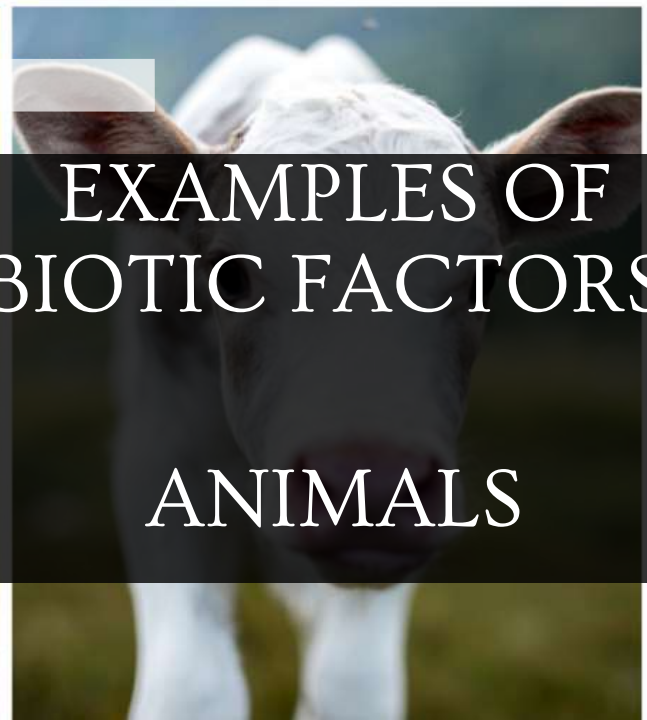
HUMANS





EXAMPLES OF BIOTIC FACTORS:

PLANTS & TREES



EXAMPLES OF  
BIOTIC FACTORS:

ANIMALS

A collage of various insects, including beetles, ants, flies, and bees, arranged around a central text box. The insects are shown in various colors and sizes, some in sharp focus and others faded. The central text box is white with a black border and contains the text "EXAMPLES OF BIOTIC FACTORS: BUGS".

EXAMPLES OF BIOTIC FACTORS:  
BUGS

EXAMPLES  
OF BIOTIC  
FACTORS:

FUNGI



# Non-Living

**Non-living things** are things that do not grow, change or reproduce. They do not need air, food or water.





# Abiotic



Soil



Light



Water



Air



Humidity



Temperature

Non-living things in an ecosystem are called **abiotic factors**.

A close-up photograph of a person's hand holding a clump of dark, rich soil. The hand is positioned in the upper right quadrant, with fingers slightly curled around the soil. The soil is dark brown to black, with some small roots visible. The background is a vast field of similar soil, slightly out of focus. A white L-shaped graphic element is positioned to the left of the text box.

EXAMPLES OF ABIOTIC  
FACTORS:

SOIL



EXAMPLES OF ABIOTIC FACTORS:

WATER





EXAMPLES OF ABIOTIC  
FACTORS:

AIR



EXAMPLES OF ABIOTIC FACTORS:

MINERALS



EXAMPLES  
OF ABIOTIC  
FACTORS:

LIGHT

# Biotic



Fungi



Plants



Animals



Protists



Archaea



Bacteria

# Abiotic



Soil



Light



Water



Air



Humidity



Temperature

All elements in an ecosystem are **essential**. Both biotic and abiotic factors are related to each other.

# Biotic



Fungi



Plants



Animals



Protists



Archaea



Bacteria

# Abiotic



Soil



Light



Water



Air



Humidity



Temperature

## Fill in the Blank!

All elements in an ecosystem are essential. Both biotic and abiotic factors are related to each other.

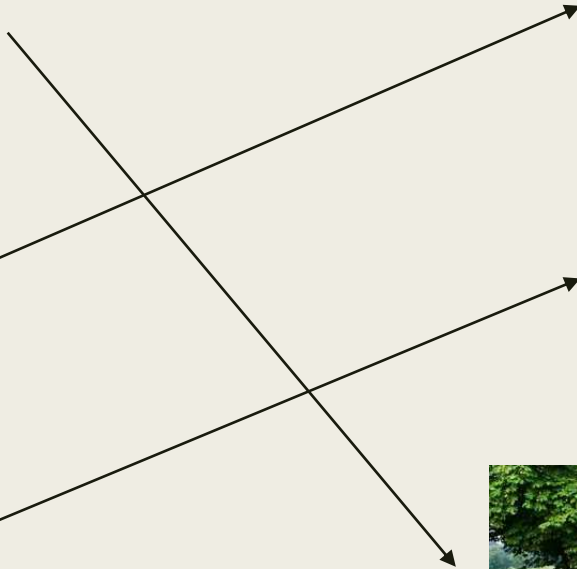
# MATCH TO THE PICTURE :

## Biotic Factors

Plants & Trees

Animals

Bugs



# MATCH TO THE PICTURE :

## Abiotic Factors

Air

Soil

Minerals



ARE THEY A  
BIOTIC OR  
ABIOTIC  
FACTOR?








THEY ARE  
A  
HUMAN.

A BIOTIC  
FACTOR!



IS THIS A  
BIOTIC  
OR  
ABIOTIC  
FACTOR?



THIS IS  
LIGHT.

AN  
ABIOTIC  
FACTOR!

IS THIS A  
BIOTIC OR  
ABIOTIC  
FACTOR?



THIS IS FUNGI.

A BIOTIC  
FACTOR!



A high-speed photograph of a single water droplet hitting a surface, creating a series of concentric ripples. The droplet is captured in mid-air, just above the surface, and is perfectly spherical. The ripples are a deep blue color, and the background is a light, hazy blue. The overall image has a clean, scientific feel.

IS THIS A BIOTIC OR  
ABIOTIC FACTOR?



THIS IS WATER.

AN ABIOTIC FACTOR!

# Biotic



Fungi



Plants



Animals



Protists



Archaea



Bacteria

# Abiotic



Soil



Light



Water



Air



Humidity



Temperature

Pop Quiz!

Name one biotic and one abiotic factor.