

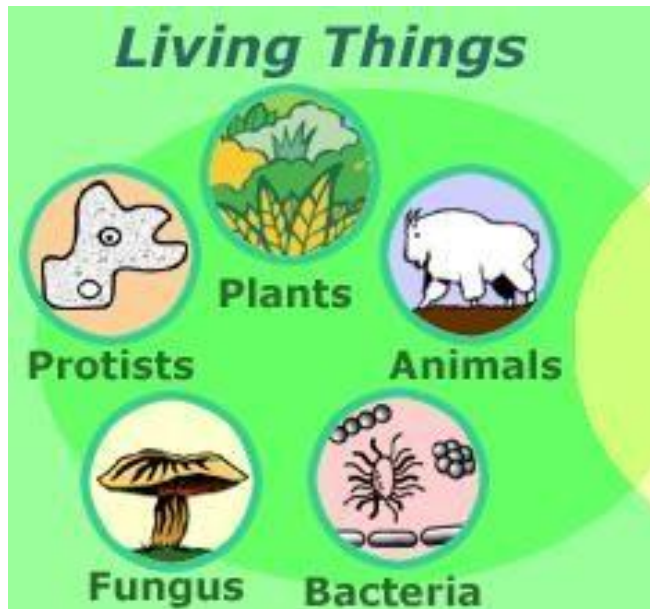
# Biotic

## WORDS

Alive  
Living  
Plants  
Animals  
Protists  
Fungus  
Bacteria

## DEFINITION

A living thing, such as an animal or plant



## SENTENCE

The forest had a lot of biotic factors such as pine trees, ferns, bears, and deer.

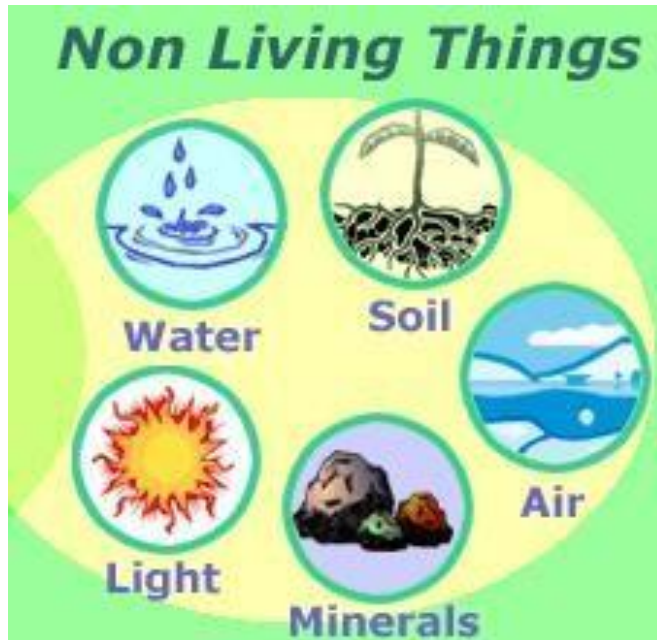
# Abiotic

## WORDS

Non-Living  
Soil  
Air  
Water  
Light  
Minerals

## DEFINITION

A nonliving thing, such as air, water, soil



## SENTENCE

The estuary had a lot of abiotic factors affecting the animals such as water, air, land, and pollution.

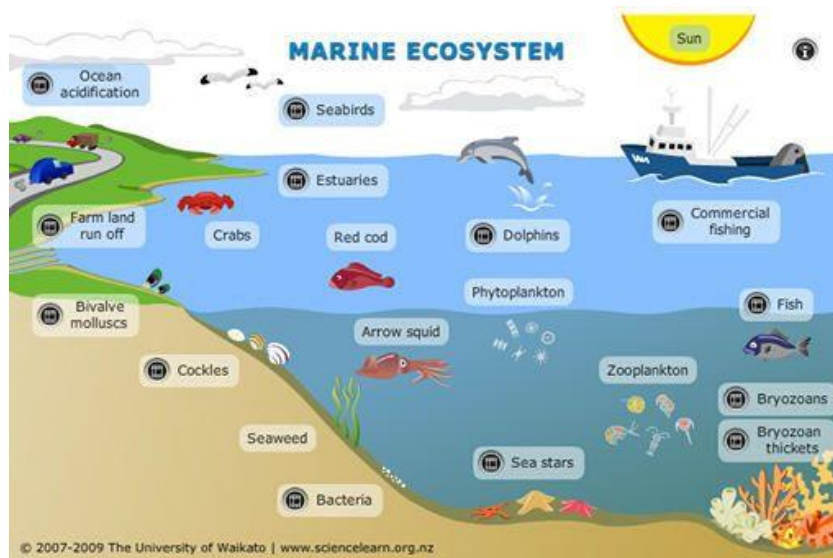
# Ecosystem

## WORDS

Living Factors  
Non-living Factors  
All Together  
Animals  
Sun  
Water  
Boat  
Land

## DEFINITION

A biological community of interacting organisms and their physical environment; both the biotic and abiotic components



## SENTENCE

In the ecosystem of the rainforest, the plants and animals depend on each other for life as well as the water, air, and soil for survival.

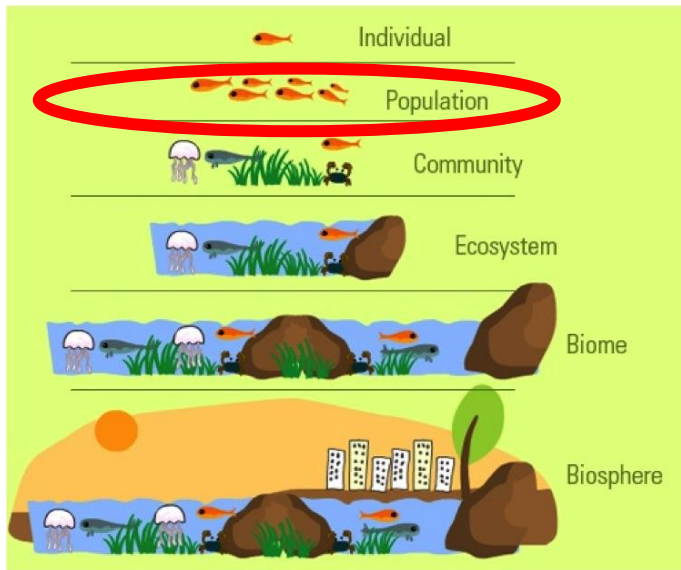
# Population

## WORDS

Individual  
Community  
Ecosystem  
All the Same

## DEFINITION

All the organisms of a specific species in an ecosystem



## SENTENCE

We found a population of small brown mice living together in tall grass in the field .

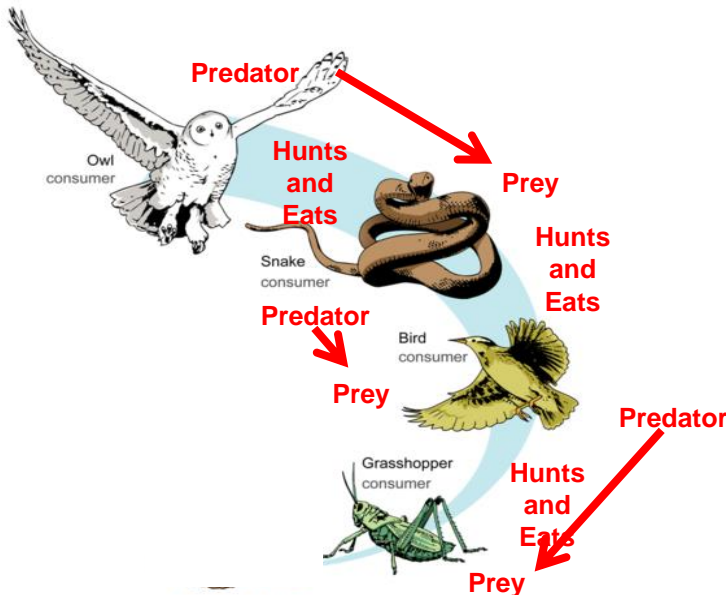
# Competition

## WORDS

Predator  
Prey  
Hunts  
Eats  
Food Chain

## DEFINITION

A relationship between or among living things for resources, such as food, space, shelter in an ecosystem



## SENTENCE

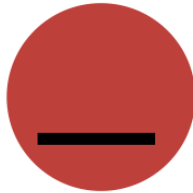
In an ecological relationship involving competition, the predator hunts and eats the prey and in turn, the prey tries to find protection from the predator in order to survive.

# Symbiosis

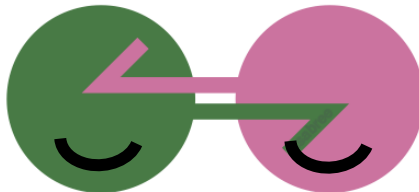
## WORDS

2 Organisms  
Relationship  
Interaction

Organism  
1



Organism  
2



## DEFINITION

An interaction between two different organisms living in close physical association

## SENTENCE

There are many different examples of symbiosis because organism interact in their environment all the time.

# Commensalism

## WORDS

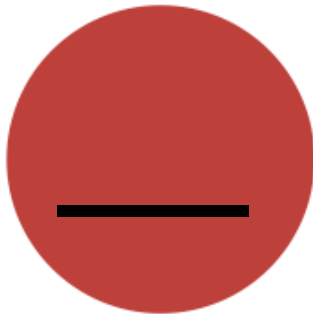
2 Organisms  
Relationship  
Interaction  
One Unaffected  
One Gains

## DEFINITION

A symbiosis interaction between two different organisms in which one benefits and the other derives neither benefit nor harm

### Organism

1



**No Gain/No Loss**  
**Unaffected**

### Organism

2



**Gain**

## SENTENCE

An example of a symbiosis that is commensalism is how remora fish swimming beside sharks get to eat the leftovers and the shark unaffected by them.

# Parasitism

## WORDS

2 Organisms  
Relationship  
Interaction  
One Loss/Harm  
One Gains

## DEFINITION

A symbiosis interaction between two different organisms in which one benefits and the other is harmed

### Organism

1



**Loss/Harm**

### Organism

2



**Gain**

## SENTENCE

An example of a symbiosis that is parasitism is how a tick draws blood from a deer in order to obtain nutrients but it is a loss of blood for the deer.



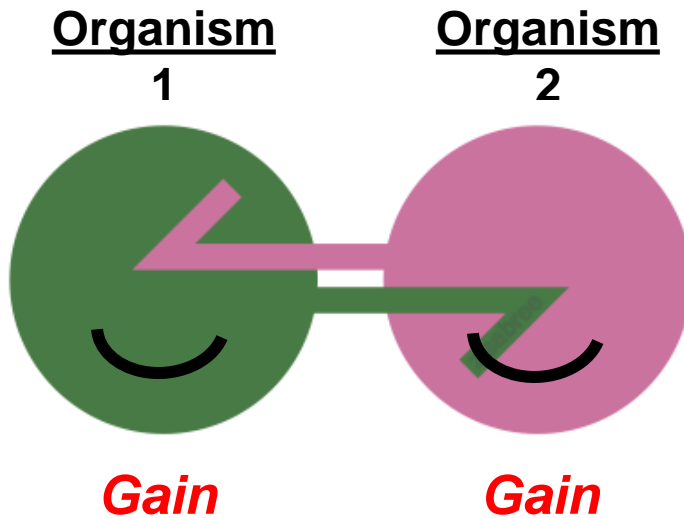
# Mutualism

## WORDS

2 Organisms  
Relationship  
Interaction  
Both Gain

## DEFINITION

A symbiosis interaction  
between two different  
organisms in which both  
benefit



## SENTENCE

An example of a symbiosis that is mutualism is how a small bird called the and the zebra both gain benefits from hanging out together.