

## Factors of our Environment

**Biotic** are living factors include:

- Plants } organisms
- Animals }
- Dead organisms & Waste Products  
(came from living at one time)

**Abiotic** are nonliving factors that affect other living things:

- Air
- Water
- Soil
- Rocks
- Light
- Temperature
- Climate



Name: \_\_\_\_\_  
Hour: \_\_\_\_\_

## Abiotic vs Biotic Factors



What is the definition of an abiotic factor?

\_\_\_\_\_

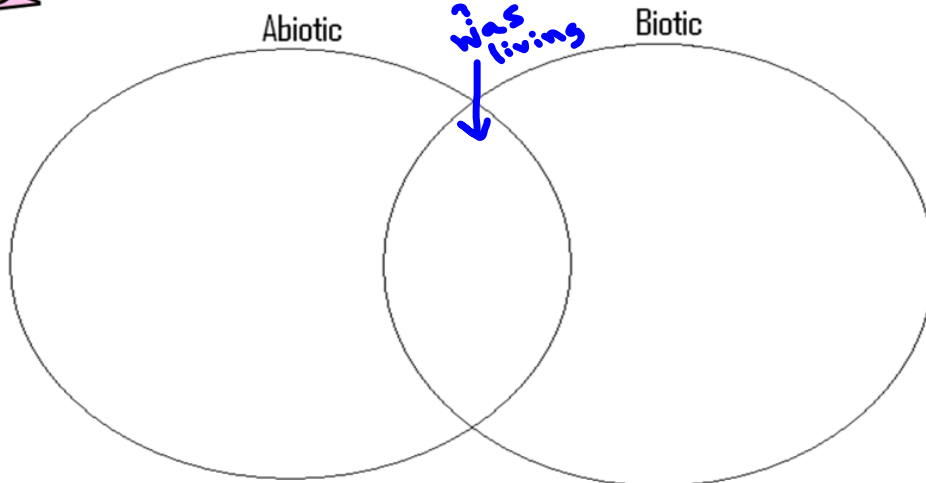
What is the definition of a biotic factor?

\_\_\_\_\_

Enter the items from the following list into a Venn diagram.  
In the center place what contains both biotic and abiotic factors.



- Whale
  - Mushroom
  - Water
  - Desert
  - Paper
  - Glass
  - Temperature
  - Coral
  - Sand
- Clouds
  - Snail
  - Steak
  - Athletes Foot
  - Salad
  - Mold
  - Grass
  - Hair
- Ocean
  - Tree
  - Rocks
  - Dirt
  - Gold
  - Plastic
  - Grapes
  - Oxygen
  - Tundra



### Deeper level thinking...

All biotic and abiotic factors are interrelated. In nature you will find that if one factor is changed or removed, it impacts the availability of other resources within the system. Knowing this, give an example of what might happen given the following situations.

In the areas with the open space place either an **A** for **abiotic** or **B** for **biotic** to identify what the object is.

- All of the rocks (\_\_\_) are removed from a desert ecosystem, what would happen to the population of rock dwelling lizards (\_\_\_) and in turn the animals which eat them.

\_\_\_\_\_

\_\_\_\_\_

- A ten mile area of trees (\_\_\_) is removed from the tropical rainforest. How will this affect the amount amount of water (\_\_\_) and the amount of oxygen (\_\_\_) in the area?

\_\_\_\_\_

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