Name:_____
Hour:_____

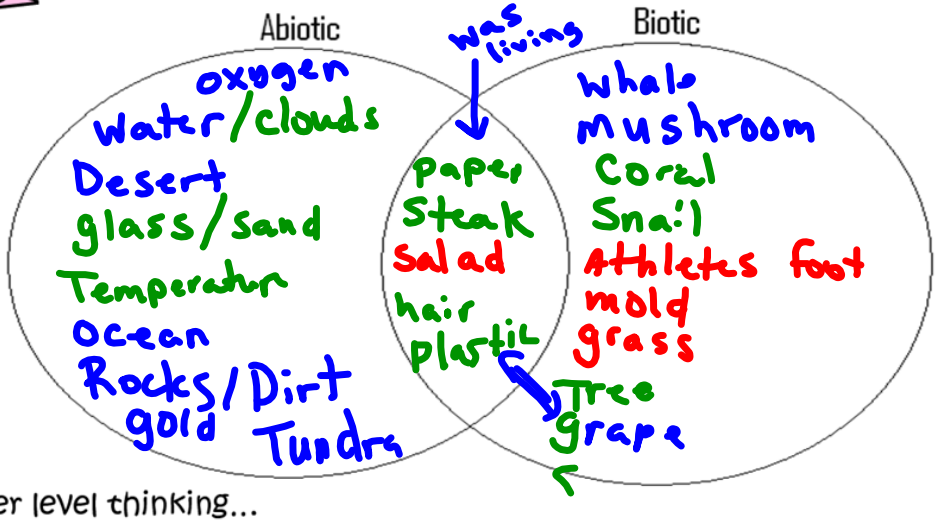
Abiotic vs Biotic Factors

What is the definition of an abotic factor? Non-living

What is the definition of a biotic factor? Living Thing

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.

1. All of the rocks (A) are removed from a desert ecosystem, what would happen to the population of rock dwelling lizards (B) and in turn the animals which eat them.
Remove rocks, lizards die and the animals that eat lizards die.

2. A ten mile area of trees (B) is removed from the tropical rainforest. How will this affect the amount amount of water (A) and the amount of oxygen (A) in the area?
Remove trees, O_2 reduces, H_2O would increase since trees cannot absorb the water.