



# BIOMES



By  
Natalie, Jesse, Ori, Sasha and Wesley

# What is a Biome?

By: Natalie and Sasha

A biome is a large community/habitat of plants and animals. There are many different biomes all over the world, with unique plant and animal life in each one.



Cacti  
plant

Prickly  
Pear-



# What are different biomes around the Earth?

By: Natalie and Sasha

Some biomes around the world are the:

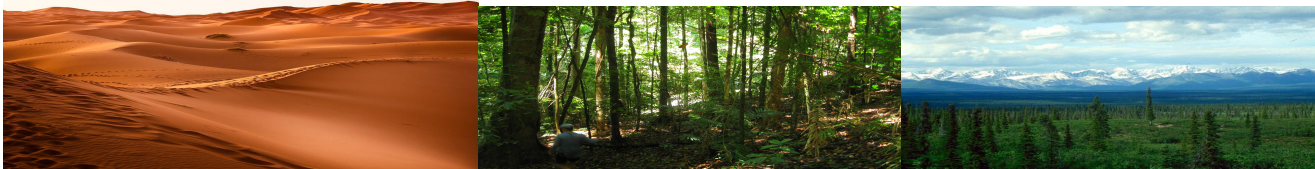
- Tundra- Which is cold all year except for summer
- The Rainforest- Which is very humid and has a lot of rainfall
- Savanna- Is a rolling grassland with shrubs & trees
- Temperate Forest- Has four distinct seasons
- Desert- It is hot and dry with very little vegetation

# Jobs in the Greenhouse by Jesse

**In the Greenhouse everybody had a job. We switched off every week. One time somebody watered the plants we did this when the plants were dry so they wouldn't die, somebody else found the ph of the plants we did this to see if the plants were dying from acid. Somebody else measured the plants to see how they were growing over a week span. The job we thought was most fun was taking pictures of the plants we did this to observe the plants. We also found out the temperature of each plants To see if they were in a healthy environment.**

# Biomes in the WMS greenhouse by Wesley

There are many different types of biomes in the WMS greenhouse. Some of these biomes include the desert biome. In the greenhouse there were three types of cacti: there was the prickly pear, aloe, and barrel. These were the three kinds of cacti in the greenhouse and there were all part of the desert biome. The cacti were kept in the dry part of the greenhouse. Another biome in the WMS greenhouse is the rainforest biome. One of the plants in the rainforest biome is the coffee plant. The last biome in the WMS greenhouse is the taiga biome. The plant in that biome is the fern. These plants are kept under misters so they can keep wet. The last biome in the WMS greenhouse is the tropical biome. These plants include Avocado and Black Pepper. These plants were kept under the mister.



# Desert Plants in the WMS Greenhouse

## by Ori

- Aloe: Aloe vera is a plant species of the genus Aloe. It grows wild in tropical climates around the world and is cultivated for agricultural and medicinal uses
- Angel Wings Cactus: Bunny ears cactus (*Opuntia microdasys*) originated in Mexico and is a denizen of arid, desert-like areas, bunny ears cactus plant is good for low humidity places
- Barrel Cactus: Barrel cactus are various members of the two genera *Echinocactus* and *Ferocactus*, found in the deserts of Southwestern North America.
- Chickens and Hens: Hens and chicks are members of the *Sempervivum* group of succulent plants. They are commonly called houseleeks and grow well indoors and out, in cool or hot temperatures.
- Christmas Cactus: The Christmas cactus is a long lived plant with flat, segmented stems. With care, this plain looking plant will blossom with flowers of red, white, pink, purple or orange

# Tropical Plants in the WMS Greenhouse

- Avocado: The avocado is a tree that is native to South Central Mexico, classified as a member of the flowering plant family Lauraceae
- Black Pepper: Black pepper (*Piper nigrum*) is a flowering vine in the family Piperaceae, cultivated for its fruit, which is usually dried and used as a spice and seasoning
- Scarlet Star Bromeliads: The Scarlet Star is a popular variety of plants that can grow outdoors or indoors when attached to another plant
- Bush on Fire Croton: One of the boldest houseplants around, you can't miss crotons because of their colorful foliage
- China Doll: A China Doll Plant is a very fast growing plant with lacy-looking, glossy, green foliage that is native to the subtropical mountain regions of southern China and Taiwan

# Measurements & Data Table

By: Natalie & Sasha

| Day 1 | Aloe | Barrel | Prickly Pear |
|-------|------|--------|--------------|
| M     | 0    | 1      | 2.5          |
| T     | 74   | 74     | 80           |
| Ph    | 7    | 7      | 7            |
| H     | 31cm | 13cm   | 42cm         |

| Day 2 | Aloe | Barrel | PP   |
|-------|------|--------|------|
| M     | 7    | 7      | 7    |
| T     | 1    | 2      | 15   |
| Ph    | 29   | 13     | 43   |
| H     | 74cm | 74cm   | 74cm |

| Day 3 | Aloe | Barrel | PP   |
|-------|------|--------|------|
| M     | 1    | 2.5    | 2.5  |
| T     | 72   | 75     | 79   |
| Ph    | 7    | 6.8    | 7    |
| H     | 32cm | 14cm   | 41cm |
| Day 4 | Aloe | Barrel | PP   |
| M     | 7    | 7      | 7    |
| T     | .5   | 1.5    | 2.5  |
| Ph    | 31   | 16     | 40   |
| H     | 76   | 73     | 77   |

# Measurements & Data Table

By: Natalie & Sasha

| <u>Day</u><br>1 | bp  | cc | c   | av  |
|-----------------|-----|----|-----|-----|
| ph              | 5.4 | 7  | 7.5 | 6.1 |
| m               | x   | x  | 4   | 3   |
| h               | 76  | 82 | 39  | 93  |
| tp              | 63  | 70 | 70  | 74  |

| <u>Day</u><br>2 | bp | cc | c  | av   |
|-----------------|----|----|----|------|
| ph              | 7  | 7  | 7  | 7    |
| m               | 5  | 4  | 4  | 1.5  |
| h               | 30 | 80 | 36 | 95.5 |
| tp              | 66 | 71 | 61 | 70   |

# Measurement description

The ph for the desert plants was good because they were at 7 which meant it didn't have too much acid. The ph for the tropical plants on the first day and second and the third day was good but then on the rest of the days they were way too high. The height was increasing well.

Aloe  
plant-

