



# BIOMES

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# What is a biome?

A biome is a large naturally occurring community of flora and fauna occupying a major habitat, for example a forest or tundra. Biomes can be found all over the world. Biomes are very large ecological areas on the earth's surface, with animals and plants adapting to their environment. Biomes are often defined by abiotic factors such as climate, relief, geology, soils and vegetation. A biome is **NOT** an ecosystem, although in a way it can look like a massive ecosystem.

# What are the different biomes on earth?

The different terrestrial (of, on, or relating to the earth.) biomes on earth are Tundra, Rainforest, Savanna, Taiga, Temperate forest, Temperate grassland, Alpine, Chaparral. The different types of Aquatic biomes are freshwater, freshwater wetlands, Marine, Coral Reef, and Estuaries. There are only 5 Major types of biomes, aquatic, Desert, forest, grassland, and Tundra.



# What different Biomes are in the Greenhouse?

There are many different biomes in the world, But in the Greenhouse, There are a selective few. One of the many biomes in the greenhouse is the tropical biome. It has 3 main parts just like the actual one. The canopy(floor) which is where the insects (And only insects) thrive. And the top which is the top of all of these plants, In which Rafael which explain, Get their sun. Another biome is the marsh, where carnivorous plants thrive. One of the most famous is the Venus Flytrap, it is known for eating many of the insects you don't like. But it also eats birds, frogs and mice. (Yes it is in the greenhouse) And also a plant (Whose name I can not remember) Can fold its leaves upon being touched. The last biome in the greenhouse is the desert, This is where cactus have adapted to little or no water, (That kinda means we spoil our cactus, Because we give it more water than it gets in the desert so...) Although there isn't an actual desert biome, We give our cactus little water (More than in a desert) to make it seem as if the cacti were in a desert.



# What plants are in the greenhouse?

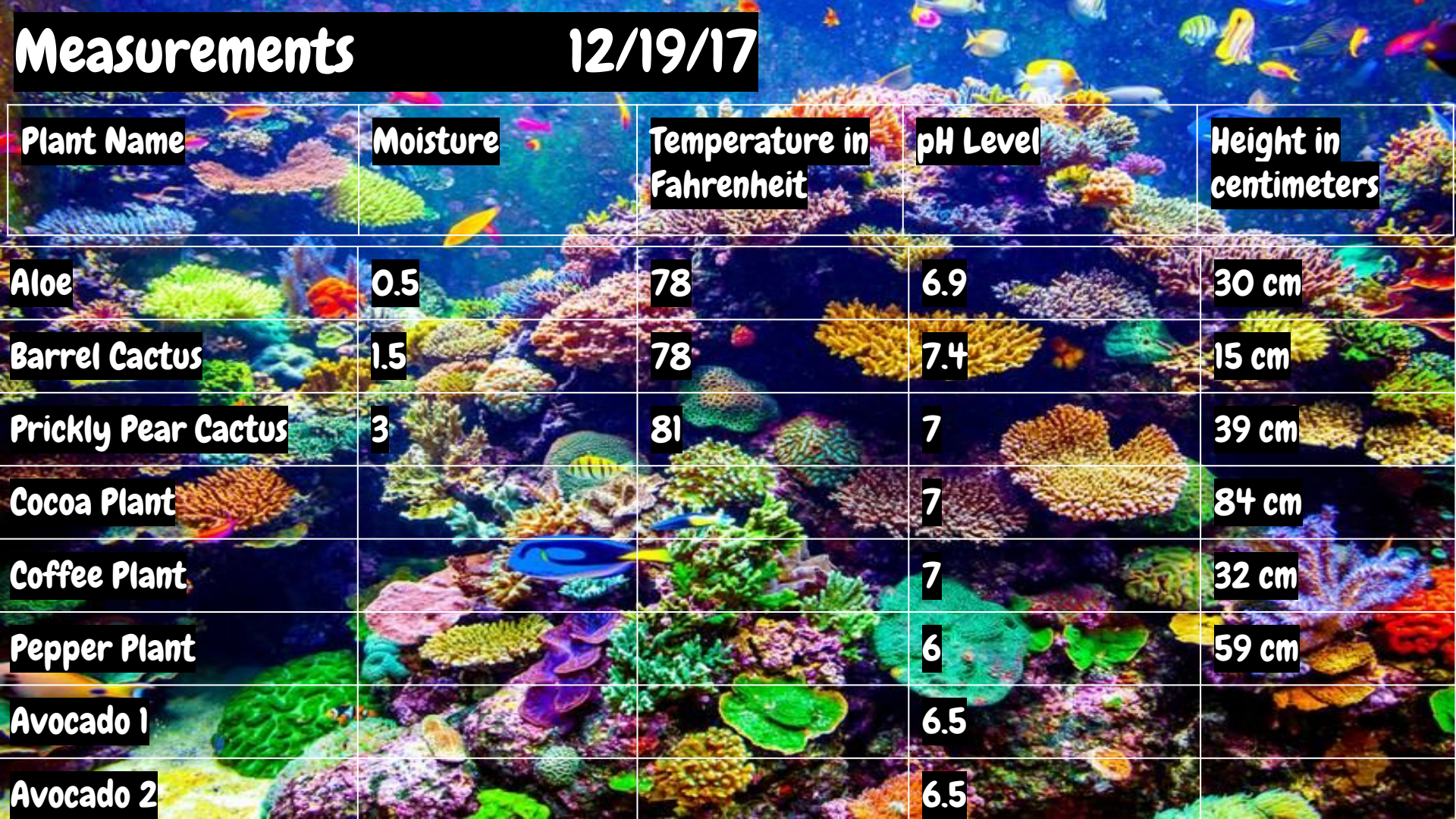
One of the plants in the Desert is the prickly pear that lives in the Desert and can survive for a very long time without water for a long time. One plant in the tropical rain forest is Aloe is a plant that is very good for repairing dead skin and also it is good for your own hair to make it smooth and shiny. One more plant is the black pepper plant that is from south india and it is good for stomach ability to digest the food and it is health.





## What did everyone do in the greenhouse?

Every time we visited the greenhouse we measured each of the plants' moisture, temperatures, and heights. If the plant was not at the moisture it needed to be at we watered it. We used moisture meters, plant thermometers, and rulers. We would then trim the dead parts of the plant so that the plant can stay green and healthy.



# Measurements

12/19/17

Plant Name	Moisture	Temperature in Fahrenheit	pH Level	Height in centimeters
Aloe	0.5	78	6.9	30 cm
Barrel Cactus	1.5	78	7.4	15 cm
Prickly Pear Cactus	3	81	7	39 cm
Cocoa Plant			7	84 cm
Coffee Plant			7	32 cm
Pepper Plant			6	59 cm
Avocado 1			6.5	
Avocado 2			6.5	

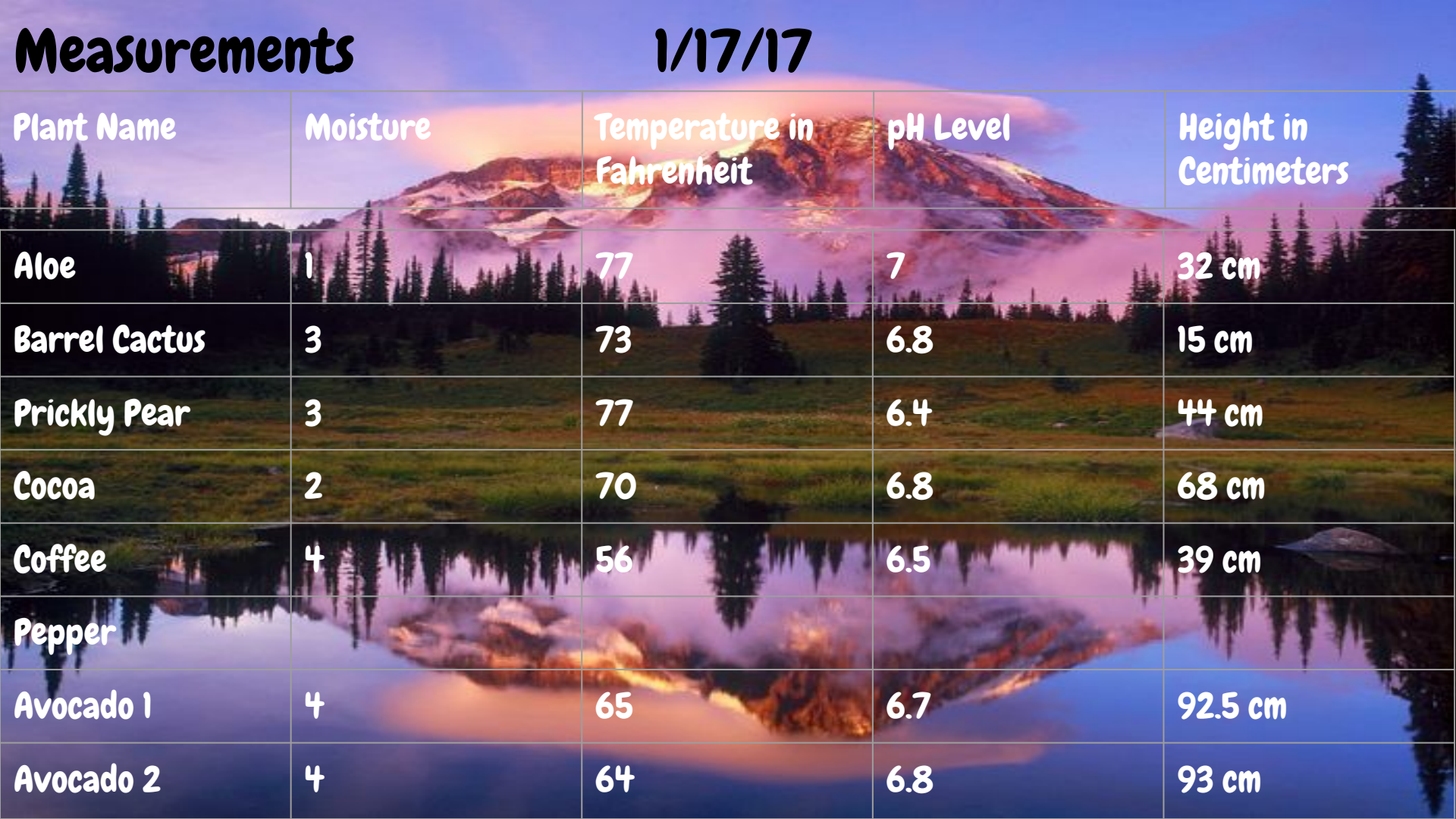


# Measurements

1/3/17

Plant Name	Moisture	Temperature in Fahrenheit	pH level	Height in centimeters
Barrel Cactus	2	78	6.9	18 cm
Aloe Plant	1	83	7.6	39 cm
Prickly Pear	3		7.4	42 cm
Avocado 1			7	
Avocado 2			7	
Cocoa		72	6.3	90 cm
Coffee		79	6.5	37 cm
Pepper Plant			6.5	65 cm





# Measurements

## 1/17/17

Plant Name	Moisture	Temperature in Fahrenheit	pH Level	Height in Centimeters
Aloe	1	77	7	32 cm
Barrel Cactus	3	73	6.8	15 cm
Prickly Pear	3	77	6.4	44 cm
Cocoa	2	70	6.8	68 cm
Coffee	4	56	6.5	39 cm
Pepper				
Avocado 1	4	65	6.7	92.5 cm
Avocado 2	4	64	6.8	93 cm

# Pictures from the greenhouse



The picture above is one of the many plants in the greenhouse. This particular one is the barrel cactus.



This is a picture of a girl in our group named Samantha trimming the fern.



# Pictures from the greenhouse



We were waiting for the plant thermometer to get to the correct temperature.



This is an aloe cactus that we worked with each week

This is the aloe plant! The Aloe plant was very soft but sometimes you gotta be careful.

