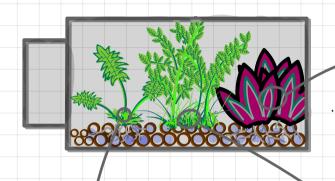


HERMETOSPHERE



Zebra herb Teadescantia

Zebra Herb is a very very easy to care plant but it still has a go:te inferesting (ease colour.



Black Shield Fer D Polystichum oculatum

This is a few from the Dyropteridacea so these kind of plants existed for beyond the dimosours.



So(eiro(iaso(eiro(ii

The Bubihopf is a plant that comes from the Welle-plants (Vricaeae). It originally comes from Sardinia and is also a easy to cave plant.



by Ben Wener

How does a hernethospher generally need to be constructed?

• ((osec

a hernethosphee should be constructed in a container which can be closed and also made out of a transport material. Hot sought can come trough.

This is impostant, so no gases or floods can escape or come into the containter > It should be air sealed

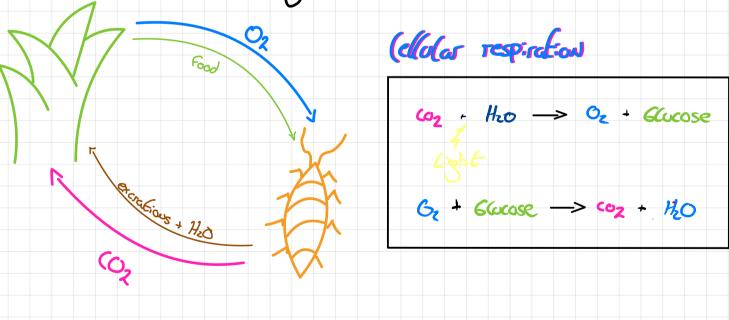
· water - storage

- hernethosphee. Cara pellets or other thinks (the that, can store plenty of water that maintains that the plants always have good water excess
- Strong plants

 L> plants that we really sensitive to, For example a lack of water or a to high photerel in the soil, should not be choosen for the hemethrexphere, only the strongest plants should be used to ensure a lang life

 -> Plants with a high followince region for hamidity
- the hernetosphee week some hind of consumes or destruentes which clean the hernetosphee and aso produce car and extrems for the plants to process.

Interactions between organisins



Plants produce of which is weeded by the woodlice in order to surrive.
They breake in or and extrale (or which can be used by the plants to produce or again

Secondly the woodlices ent decomposed Ceares and with that they help that it decomposes quickor. Also there excretions that help to fertisse the ground, so plants can grow more easily

Why could the hernebosphere become instable?

reason 1

The horsebrosphoe isut completely, short, so the water evaporates and escapes

> If there is not except water, the plouts will be evolvally

The first owes that die are the weathert plants, stronger owes will steal the water, If the waterloss still continues these plants will die too



reason 2

The overpopulation of the woodlice



of there is an overpopulation of white corres, they could recover of the plants, which would durage them nove than they could recover eventually they will die too.

reason 3

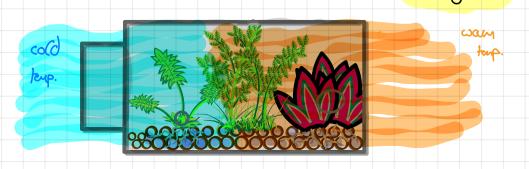
temperature and sculing to desity

If the temperature lucreases or decreases over the marinum or minimum of ecological potancy from the plants, they will also do

Secondly, if there is to less sculight over a larger period of time, the plants also stat down

-> if there is no sculight for a larger time, these plants will die

highly decreased



Conperation of the hernethosphere and the Biosphere

they we the same

Basically both are the same, as they are both "almost" closed systems
If we see the transformed as a small each it is also the sam up of all living spaces

yest smaller. -> a simple madel with just one ecosystem

The earth if self has more plants and animals text both of them are able to make (ire possible without any enthrouse). A biospher is compler, with many connected ecosystems.

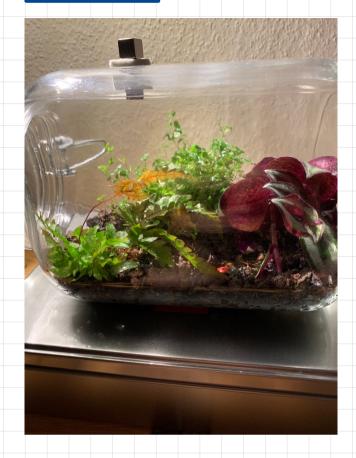
Thee was a huge scientific project called Biosphee Z. where humans survived in a big herrechosphere to prove that human Gre is possible without external in Knowes this big herrechosphere is busically the same the our hemethopher yet in small







Week 1



The First week was not really exciting.

The plants didn't really grow, but you where able to see some little waterdrops inside of the hermethosphere.

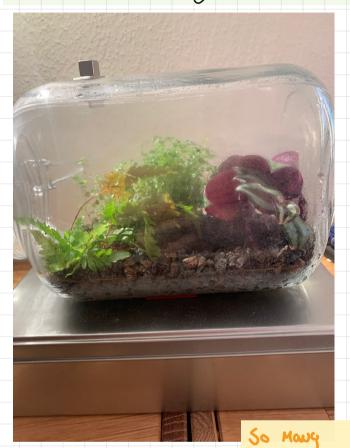




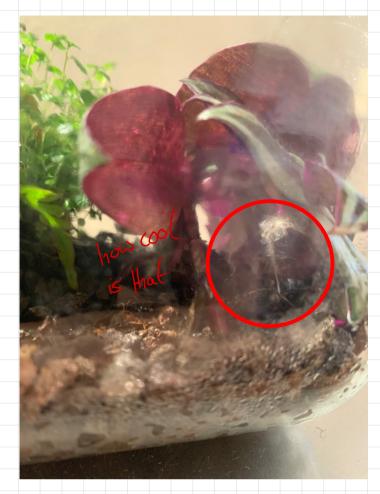


Week 1

This week, the plants didn't really grow either but you saw a small root coning out of the red plant.
The concentration of waterdrops increased rapidley, its was much higher than last week.









Week III

There are more and more waterdrops every day, also the snall rook grows rapiller stronger

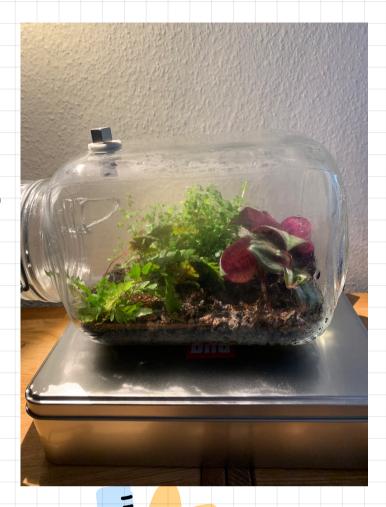
Seeing of the day

If wobody is there and the room is really quite, you are able to see wood (ice!



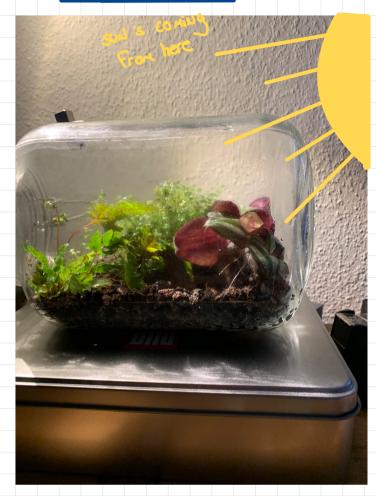
here is the rides of the hole timecape I did.







Week IV



The roots have exponentially grown and now reached the floor. In really exprised how fast they have grown this week



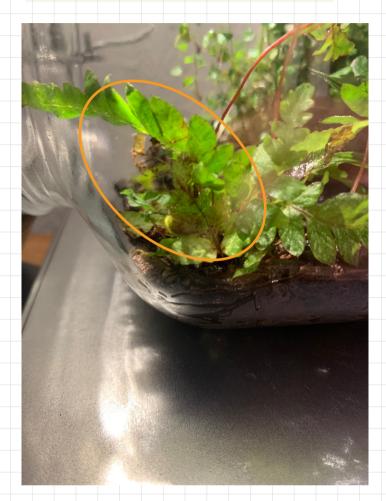
Some plant look generally better than others. The leaves of the Black shield form for example has its leaves lya on the ground. I think its generally cause of the light-source which is directly coming from the right side.

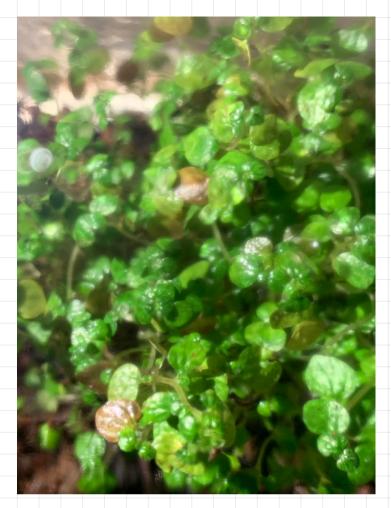
The water-drops have reached a constant level and ac not increasing congruence

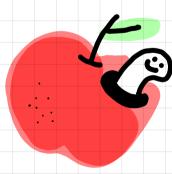


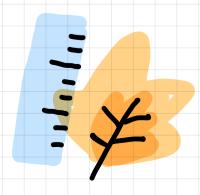


The obser two Ceares have more dead or danaged Ceares.
I assume some of them are eater by the woodlice











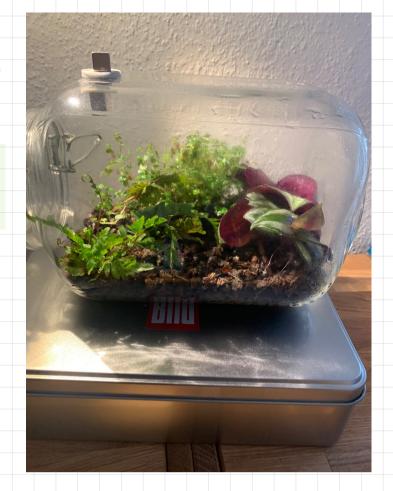
Week V

6.11.21

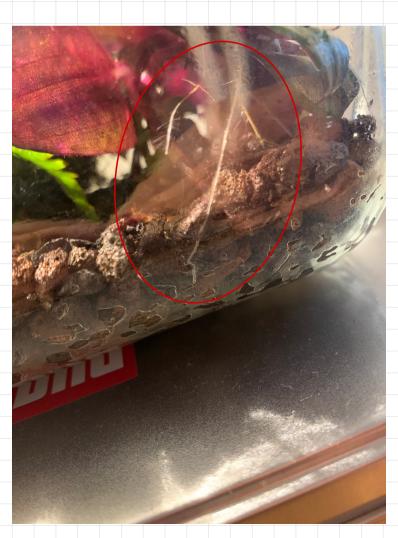
This week the plant look a little bit bigger than the last weeks.
There are still loads of Vaterdrops on the glass.





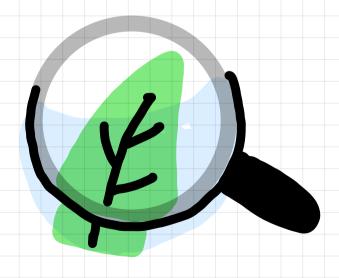


The roots are growing a lot recently. Everyday they get bigger and digger.





The other plants seen five, in only a little bit worried about the discolourration and damage on the leaves







Week VI

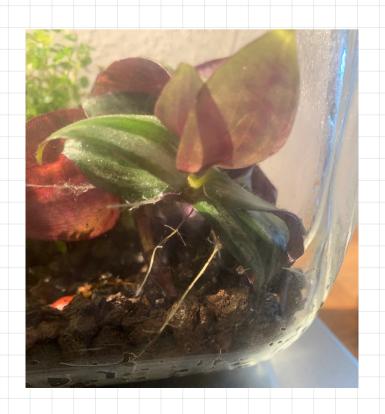


The rooks not only got bigger, two new rooks are growing out of the plant.
I really don't know why so namy root are growing there but it looks really cool.



I clou't know if it is inequation but I think the plants have grown a little bit That was the only thing that was diffrent from the last wook

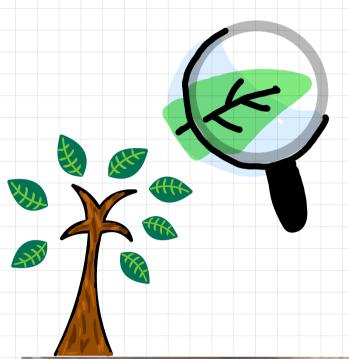




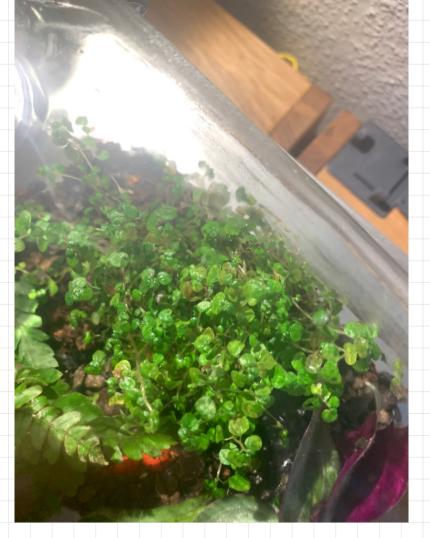
The danaged leaves are getting "smaller.

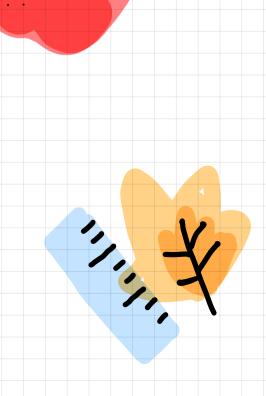
I think the woodlice really like to eat them.

I think they have completely adapted to the new curiownest was









Week VII

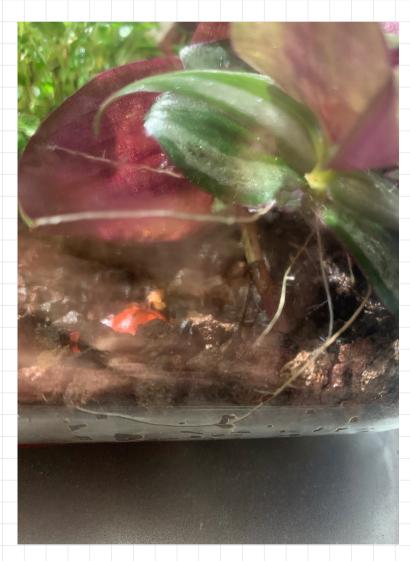
You could also see a little bit of growth this week, it's again from to see that all of the leaves turn into the direction of the son.







So nowy rooks we now coming out of the plant, they start to grow in every direction. It is kind of looking really cod.



Week VIII

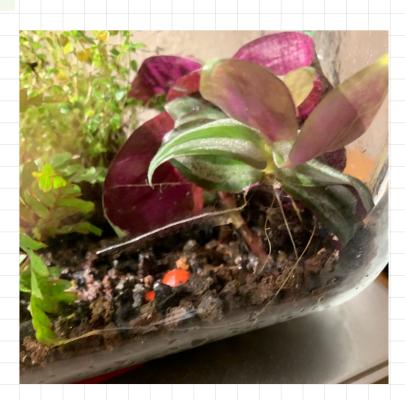


but the most active plant of all is the red one. its roots grow everyoby, you can really see the fast grow process with just your eye. I still don't know why so many roots grow out of that point and not where it's connected to the floor.



The plants is the herrethosphere seen to feel really good. I think they grow everyday, at least a little bit.





I have made a second timelaps lodge and the wood like are wolf only there. They walk around everywhere and there are so many of them.



γου ων see i6 here

https://youtu.be/v99kKTgNXAg







Week IX

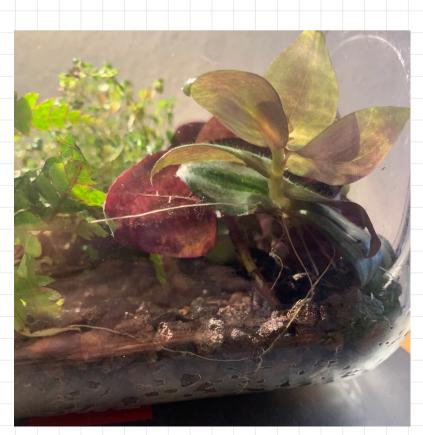
r. 12.21

The plants didn't really changed in comparison to the Cost week, but they look fine





The roots of our most happiest plant grew again.
There we wow multiple long root growing in every direction

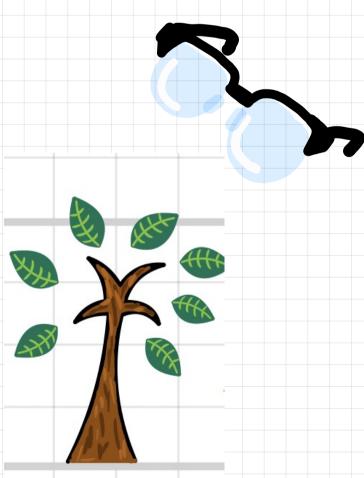




The other two plants (ook five as well. but they don't quite change as much as the red plant









Week X

Everything is five this week I sun a new brown growing at !!!

how awasome is that.

It grows seally really fact, you could see it last week too, but this week it nost explanded less again from a see that nost of the plants bend to the right side cause the sun (ones from that direction



The rooks didn't really change. They grew a little bit again.

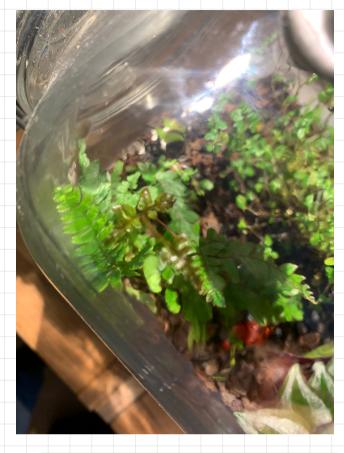






Week XI

18.12.21





The plants are doing well. The was one also seems vice, it grow a little bit but not as much as last neek.

These small babyleares look really cute



Thee is one big problem

The leaves of the red plant are getting dust and I really don't know why.

Maybe its because of the high water concentration in the air?

Anyway its really sed.



Week XII





The small plant is cooping stranger and stranger energelay.

its leaves started to colour in.

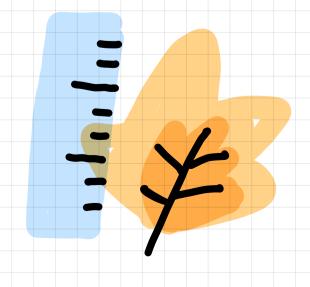


It is really bod, the big leave is wow completely dark.

Is that a disease?

I found no auswer to why it is like that.

Seens like it's not the happrest anymore.



Week XIII



Sady the Ceafe of the Zebra herb is now completely black an decomposed, you can see some holes in it, I assume its from the woodlice.

Also I noticed that the Ceafe density of the bush decreased, maybe cause of the Cowresperatures.

Due to the christmas holydays the hemetrosphere moved to another place. You can see that the small new plant that comes out of the bladshield less grew bigger





