

Topic grey water on plant's

What is the effect of grey  
water on plant's growth.  
grey water / dirty water.

Huzairah

Dec 20/12/23  
10:05

One plant will get clean water  
The other one will get greywater

- Start by growing the plant
  - The water it after each day
- See the result.

Dec 20/12/23  
6:06

How do you become an expert?

- Conduct research online
- Keep track of the website and videos for credit

What to look for: nutrients availability  
The soil quality, toxin and pollutants,  
etc.

2-3 day later measure the  
plant's size height & width.

Jan 10/24  
9:50

My plant is a snake plant and a peperomia  
and a Mang bean

This project will help human and the poor if it can work if we wash dishes and water plants with the left over water. Though my hypothesis is that naturally grow.

Q What makes soil best quality.

A They are acidic.

Controlled variable

-Variable that stays the same or constant throughout the experiment.

Independent variable

Variable that is changed or manipulated.

grow vote ||||| ||||| ||||| ||||| |||||

med vote |||||

die vote ||||| |||||

The votes might help me be confident on my opinion.

Jan 10/24

8:00 pm

Materials:

1. 2 plants Snake plant
2. measuring tape to measure the height of plants
3. lamp light
4. weighing scale to weigh the soil equally.
5. Soil with very good quality
6. water one with greywater and the other clean.
7. densiometer to check the soil moisture
8. logbook to collect data and other info on the project
9. Camera to take pictures of the plant each day.
10. Tweezers to put the seeds in the soil.

## Procedure

1. purchase 2 identical plants (Snake plant/Sansevieria) with the same soil and the same pot.
2. label them A and B
3. give plant A and B lamp light every day
4. water plant A and B plant A with greywater or used water, and water plant B with clean filtered water.
5. Check the measurement of both plant A and B to see if plant B/greywater plant is growing or not then compare plant B with plant A and get your final result.
6. Greywater is dirty water so like after you wash the dishes the water left over is greywater.

Jan 13/24  
10:50 Am

25 seeds 13.0 g Plant A and Plant B

mung bean



Jan 21/24  
10:00 pm

I will have 2 plants of mustard seed in pot

Plant A 247.5 g of soil. 2.0 g of mustard seed

Plant B 247.5 g of soil. 2.0 g of mustard seed

Each plant will receive everything the same except for water one will have graywater and the other one will have clean water.

I will also have 2 plants of mung bean

Plant A 152.0 g for soil and 25 seeds

Plant B 152.0g Pot soil and 25 seeds.

I will be testing some side plants for the safe side. And if the mustard seed or mung bean don't grow then the other plants will help.

Plant A 376.0g Pot soil

Plant B 376.0g Pot soil.

My controlled variable: The water, plant A clean water plant B greywater, My plant's.

My manipulated variable: The size of my plant, Ph, moisture, and nutrients.

Mustard Seed Day 1

	PH	Nutrient	Moisture
Plant A			
Plant B			

Day 2

Plant A			
Plant B			

Day 3

Plant A	7.5	5.5	6
Plant B	7.5	4.5	6

Day 4

Day 5



Day 6

Day 7

Plant A

Plant B

Ph 7

Ph 7

Nutrient 6

Nutrient 6

Moisture 7

Moisture 7

Mung bean

Days	Ph	Nutrients	Moisture
Day 1 Plant A			
Plant B			
Day 2 Plant A			
Plant B			
Day 3 Plant A	7	7	8
Plant B	7	7	8

Day 4

Day 5

Jan 29/24

9:39 PM

Day 6

Day 7

Plant A || Plant B

Ph 7                  Ph 7

Nutrient 7    Nutrient 7

Moisture 8    Moistures 8

Plant A

Mustard seed Height 7cm 9

Mung bean Height 9cm 16

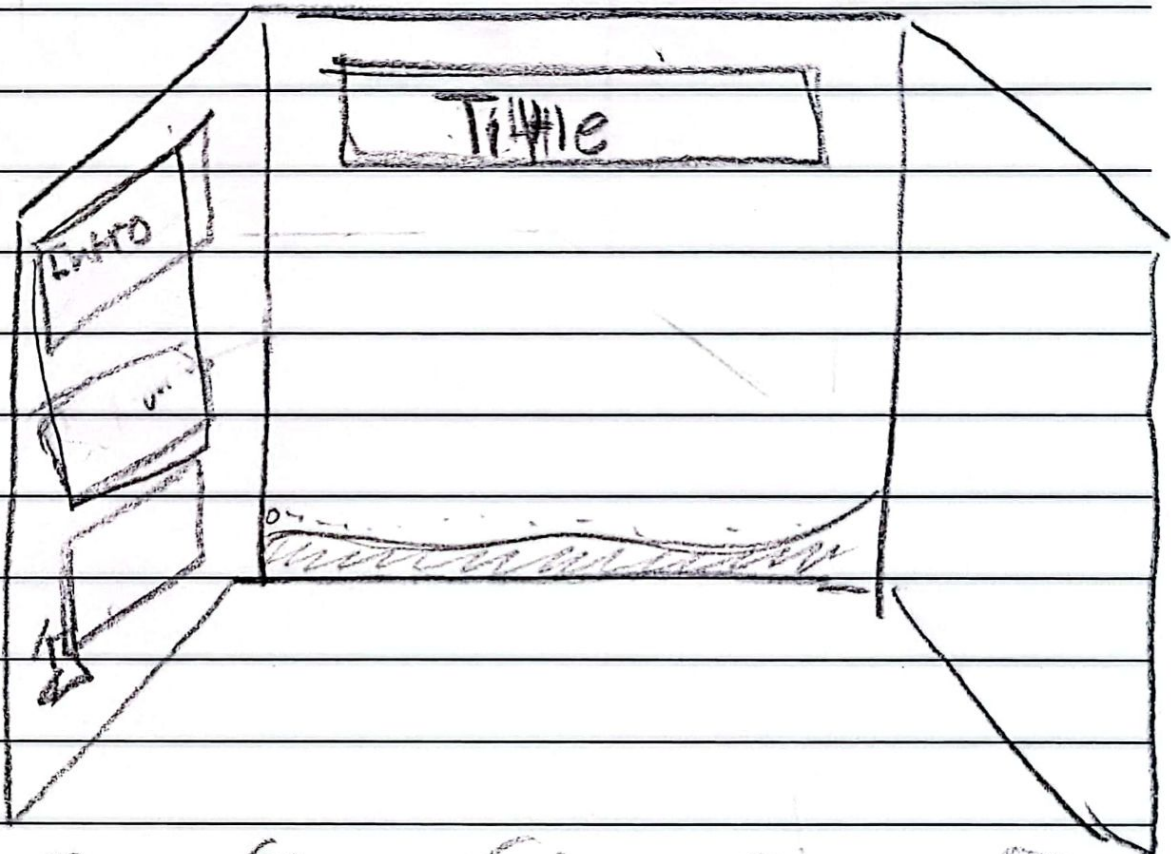
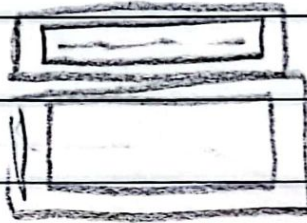
Plant B

Mustard seed Height 5cm 7

Mung bean Height 7cm 14

7  
3

Tri Fold



① Intro, ② purpose, ③ Hypothesis, ④ experiment, ⑤ results,  
⑥ conclusion, ⑦ reference.

Must have been  
mustard seed.