

Use this journal to write down what you do each day when you work with your project. You can include drawings, pictures, qualitative data (descriptions of plant's color, whether it looks healthy or not) and quantitative data (things you can count - number of seeds that sprouted in each pot, how tall the plants are...) Also record any errors or problems that occur.

Planting Science Journal

10/08/2021-We planted seeds and created the salt solutions.

10/13/2021- Some of the seeds have started to sprout. We just added 25 mL of normal water with no salt today.

-0g A- Very dry, no seeds sprouted. It is a possibility that we forgot to initially water the plant or the soil just didn't soak up the water and it evaporated.

-0g B- Much more wet than the other control, but no seeds have sprouted in this container either.

-5g A- Ben is doing this experiment at home

-5g B- Ben is doing this experiment at home.

-10g A- Wet, no seeds sprouted

-10g B- Wet, 3 out of 10 seeds sprouted

-15g A- Wet, 2 out of 10 seeds sprouted

-15g B- Wet, none sprouted

-20g A- Wet, 7 out of ten seeds sprouted

-20g B- Wet, 4 out of ten seeds sprouted

10/14/2021- Quite a few of the plants have sprouted. We watered them with 25 mL of normal water. We added 200 mL of extra water to 0g A because we came to the conclusion that it wasn't watered on the first day.

10/18/21- We started the salt portion of the experiment. We will also start our measurements today. All plants are currently that same color.

10/19/2021- We took the heights of the plants and some of the plants and some of the plants were drooping. We worked on the germination experiment

10/21/2021-We didn't water or measure the plants today to give them time to recover and perk up.

10/25/2021- The plant 0g A is doing well because it has no salt. 0g B isn't doing so well and we think that we accidentally mixed up the water on one of the days. We only added 15g of water today. All the other plants aren't looking too happy and we think that the salt is affecting them.

10/26/2021- The 0g's are doing well but none of the other plants are happy and are all lying on the ground. We added 25g of water to them today. We didn't measure them today because they were lying on the ground, and nothing has changed in the germination experiment. The plants lying on the ground are still green but look sickly and most of them don't have leaves any more.

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10/29/2021-Today we wrapped up the germination section of this experiment. We made all our journals up to date.

Plant condition for in pot plants

Date	0g A	0g B	5g A	5g B	10g A	10g B	15g A	15g B	20g A	20g B
10/14/2021	Wet 1 seed	Wet 4 seeds	With Ben	With Ben	Wet 2 seeds	Wet 6 seeds	Wet 4 seeds	Wet 3 seeds	Wet 7 seeds	Wet 6 seeds
10/18/2021	Wet 7 seeds	Wet 10 seeds	Wet 3 seeds	Wet 10 seeds	Wet 9 seeds	Wet 10 seeds	Wet 6 seeds	Wet 6 seeds	Wet 7 seeds	Wet 8 seeds
10/25/21	5 happy seeds	1 happy seeds	0 happy seeds	1 happy seeds	0 happy seeds	0 happy seeds	0 happy seeds	0 happy seeds	0 happy seeds	0 happy seeds
10/26/21	5 happy seeds	2 happy seeds	2 happy seeds	2 happy seeds	0 happy seeds	0 happy seeds	0 happy seeds	0 happy seeds	0 happy seeds	0 happy seeds
10/28/21	5 happy seeds 0.3g	2 happy seeds 0.2	2 happy seeds 0.0	2 happy seeds 0.0	0 happy seeds 0.0	0 happy seeds 0.0	0 happy seeds 0.0	0 happy seeds 0.0	0 happy seeds 0.0	0 happy seeds 0.0

Average Height for pot plants

Date	0g A	0g B	5g A	5g B	10g A	10g B	15g A	15g B	20g A	20g B
10/18/2021	3.49 cm	1.13cm								
10/19/2021	4.57 cm	4 cm	1.4 cm	2.7 cm	1.9 cm	4.8 cm	4.4 cm	2.82 cm	4.6 cm	4.86 cm
10/25/2021	5.3 cm	3.57cm	3.2 cm	1.1 cm	6 cm	5 cm	3cm	3.87cm	4 cm	5.2 cm
10/28/2021	5.2	3.2	1.125	0.5	3	2.5	3.77	2.33	3.33	4.9

Germination experiment # sprouted

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Date	0g	5g	10g	15g	20g
10/18/2021	All 10 sprouted	All 10 sprouted	1 sprouted	0 sprouted	0 sprouted
10/19/2021	10 sprouted	10 sprouted	1 sprouted	0 sprouted	0 sprouted
10/25/2021	10 sprouted	10 sprouted	1 sprouted	0 sprouted	0 sprouted
10/26/2021	10 sprouted	10 sprouted	1 sprouted	0 sprouted	0 sprouted
10/29/2021	8 grown Avg-5.22 0.2g total 0.025 per plant	10 grown Avg-2.79cm 0.1 total 0.01 per plant	0 grown	0 grown	0 grown