PQRST Science Journal

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scientist's name

Notice, Wonder, and Learn

Digital Journal

BY NC SA

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Phenomenon

Questions

Research Investigation

Science Story

Thinking More

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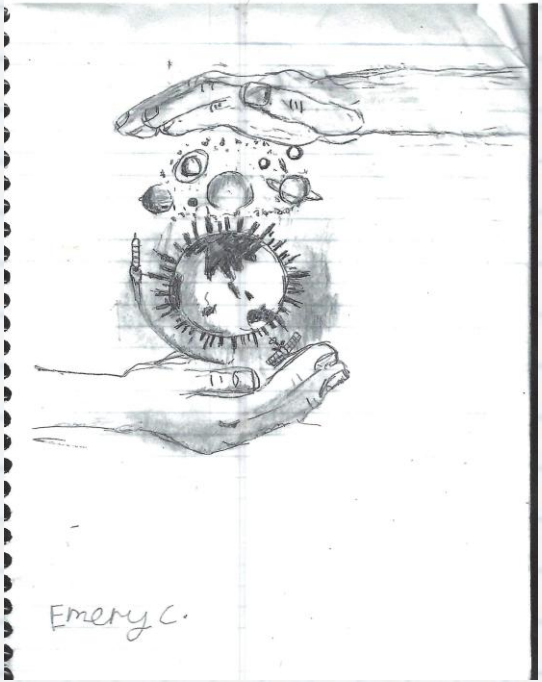
Draw and Label Phenomenon

Add a Google drawing or take a picture and insert in this slide.



Phenomenon ___

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Phenomenon observations

- I notice _Stars in the sky and what they are made out of_
- I notice that these stars are so much bigger than our home planet
- I notice how beautiful our moon is
- I notice that shooting stars died billions of years before we saw them

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Questions

I wonder why...? I wonder if...? I wonder what...? I wonder how...? I wonder what would happen if...?

I wonder why have we still not found life on other planets?

I wonder if I simulate other planets, can I grow life in the form of yeast_?

I wonder what we could create and do if we found other life forms and worked together?

I wonder how we can be able to communicate with other life once determine that other life exists.

I wonder what would happen if I were to find out that I could grow yeast on other planets?

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Materials and Equipment List for Experiment

List all materials and equipment (be as specific as possible with quantity and type)

3x 200ml bottles nutrient agar gel

18 x90 mm Petri dishes

1 package active dry yeast

25 ml sterile Pipettes and aspirator

1 alcohol Bunsen Burner

Iron oxide cosmetic grade powder

1ml sterile syringes 20 pack

4 Sterile cell spreaders

1 pack sterile 50ml conical tubes

5% Acetic Acid solution (white vinegar)

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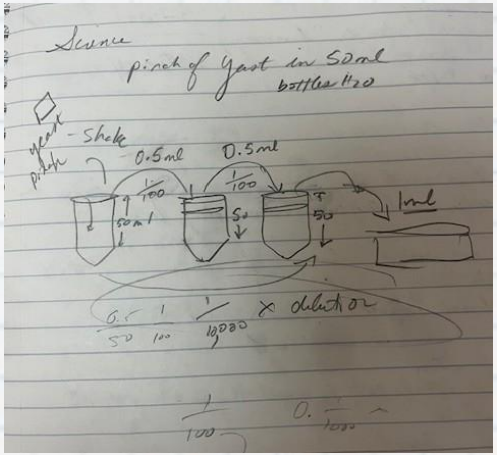
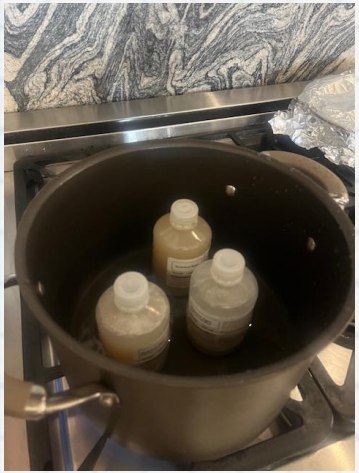
Draw and label experimental setup

Add a Google drawing or take a picture and insert in this slide.





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Number of Colonies

Planet		Treated with Yeast			AVG	Not Treated with Yeast		
Earth	8	10	7	8	**8.3**	0	0	0
Mars	3	2	4	3	**3**	0	0	0
Venus	0	0	0	0	**0**	0	0	0

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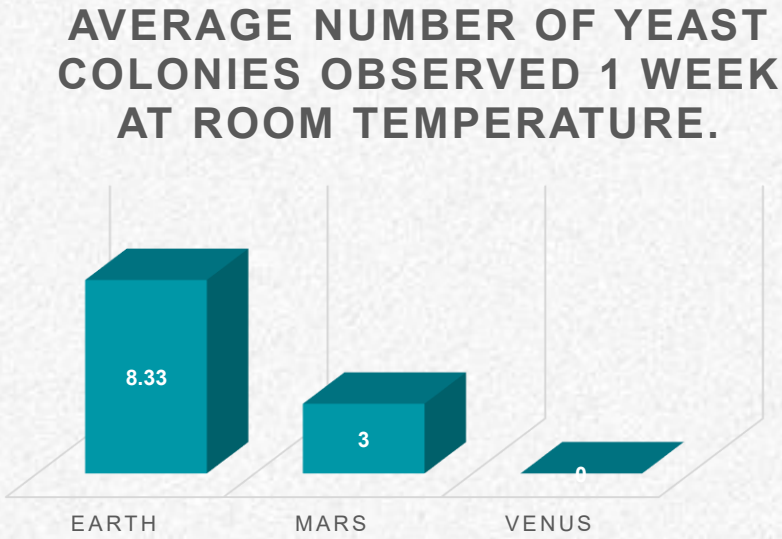
GRAPH



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Data Observations (What do you notice as you look at the raw data collected in the data table and at the graphical representation of the data?)

- *In summary, this experiment does confirm that my hypothesis is correct; If life needs gentle conditions, then yeast will grow best on Earth plates and poorly on Mars and Venus.*

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