



SCIENCE EXPERIMENT



Testing the Effect of Different Soils on Seed Germination

Question:

How does the type of soil affect seed germination?

Name: _____

Date: _____

Experiment Start Date: _____



HYPOTHESIS

I think _____

because _____



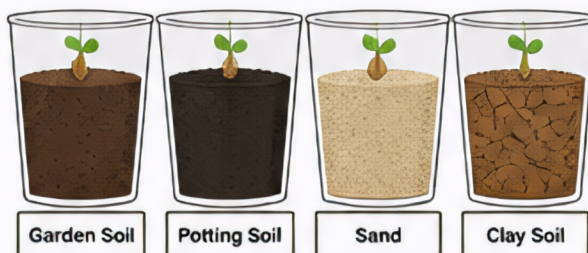
PROCEDURE

1. Label each cup with the type of soil you are testing.
2. Add the same amount of each soil to the cups (about 3/4 full).
3. Plant the same number of seeds in each cup (e.g., 5 seeds per cup), about 1 cm deep.
4. Water each cup with the same amount of water.
5. Place all cups in the same location with the same amount of light and temperature.
6. Water each cup with the same amount daily.
7. Observe and record your results for 7–10 days.



MATERIALS

- 4 small clear cups or containers
- 4 different types of soil (e.g., garden soil, potting soil, sand, clay soil)
- Seeds (same type, e.g., bean or radish seeds)
- Water
- Labels or tape and marker
- Ruler (optional)
- Spoon



DATA TABLE

Day	Number of Seeds Germinated (out of 5)				Observations (What do you notice?)
	Garden Soil	Potting Soil	Sand	Clay Soil	
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

ANALYSIS – ANSWER THE QUESTIONS

1. Which soil had the most seeds germinate? _____
2. Which soil had the least seeds germinate? _____
3. How did the soils look and feel different? _____

4. Why do you think some soils worked better for germination? _____

CONCLUSION

What did you learn from this experiment?



THINK FURTHER

What other factors might affect seed germination? (e.g., amount of water, sunlight, temperature)
