



Growing Avocados from Pits Suspended Over Water

In this experiment, you will grow an avocado plant from a pit by suspending it over water. You will observe how the pit sprouts roots and a stem over time.

QUESTION

Can an avocado pit grow into a plant when suspended over water?

HYPOTHESIS

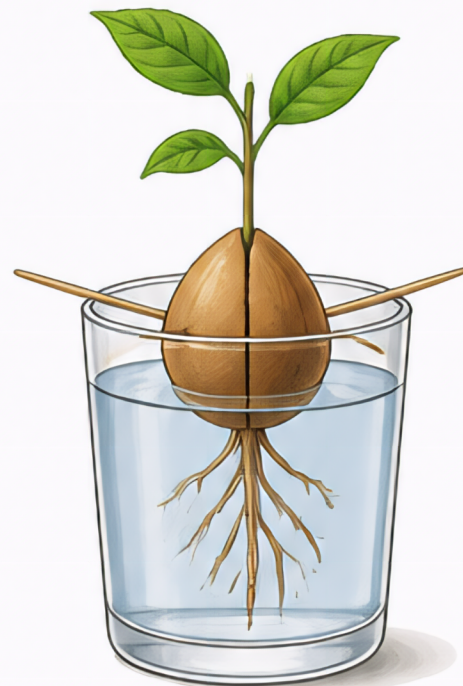
If an avocado pit is suspended over water, then it will sprout roots and a stem and grow into a plant.

MATERIALS

- 1 avocado pit
- 3–4 toothpicks
- Clear glass or jar
- Water
- Sunny windowsill
- Notebook or observation sheet
- Ruler (optional)

PROCEDURE

1. Remove the pit from an avocado and rinse it off.
2. Carefully insert 3–4 toothpicks around the middle of the pit.
3. Place the toothpicks across the top of a glass so the bottom half of the pit is in the water and the top half is above the water.
4. Fill the glass with water so the bottom of the pit is submerged.
5. Place the glass on a sunny windowsill.
6. Check the water level every few days and add more if needed.
7. Observe and record changes over several weeks.



OBSERVATIONS

Date	What I See (Changes in the Pit)	Roots? (Y/N)	Stem/Leaves? (Y/N)	Draw a Picture	Notes

CONCLUSION

What happened in this experiment?

Why do you think it happened?

What did you learn?

EXTENSION IDEAS

- Measure the height of your plant each week.
- Once the roots are a few inches long, carefully transplant it into soil.
- Compare results with another avocado pit.
- Research what avocado plants need to grow well.



SCIENCE TIP: Be patient! Some pits sprout in 2–6 weeks, while others take longer.