



Testing the Effect of Music on Plant Growth



Name: _____

Date Started: _____

Date Ended: _____

QUESTION

Does music have an effect on plant growth?

HYPOTHESIS

If plants are exposed to music,
then they will _____
because _____

PROCEDURE

- Plant the same type of seed (or use the same size plants) in 3 identical pots with the same amount of soil.
- Label the pots:
 - Plant A – Music
 - Plant B – No Music (Quiet)
 - Plant C – Different Music (optional)
- Place all pots in the same location with the same light and temperature.
- Water all plants with the same amount of water at the same time each day.
- Play music for Plant A for 1–2 hours per day. Keep the volume at a moderate level.
- Do not play music for Plant B. (Keep it in quiet conditions.)
- (Optional) Play a different type of music for Plant C for 1–2 hours per day.
- Observe and measure your plants every day for 1–2 weeks.
- Record your observations in the table below.

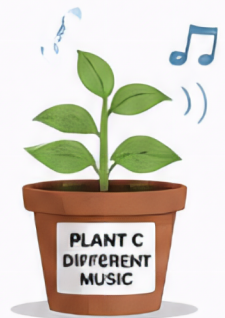
MATERIALS

- 3 similar potted plants or seeds
- 3 identical pots
- Potting soil
- Water
- Speaker or device to play music
- Music (any genre you choose)
- Ruler
- Labels or tape and marker
- Notebook or data sheet (this page)
- Sunny location

Keep all other conditions the same for all plants.

VARIABLES

- Independent Variable:** Exposure to music
- Dependent Variable:** Plant growth
- Controlled Variables:** Type of plant, pot size, soil, water amount, sunlight, temperature
- Constants:** Time of watering, location, measurement time



OBSERVATIONS AND DATA

Day	Plant A – Music		Plant B – No Music		Plant C – Different Music (optional)	
	Height (cm)	Notes	Height (cm)	Notes	Height (cm)	Notes
Day 1						
Day 3						
Day 5						
Day 7						
Day 10						
Day 14						

CONCLUSION

Based on your data, did music affect plant growth? Explain your answer.

REFLECTION QUESTIONS

- What did you notice about the plants?

- Which plant grew the most? Why do you think that happened?

- If you did this experiment again, what would you do differently?
