IBioC

IBioC 2027

International Biology Competition 2027

Spot the flaw.

A student's experiment. Two pots, careful measurements, correct maths. The conclusion still does not follow. Why not?

LAB REPORT · CRESS SEEDLING GROWTH

Lepidium sativum, 2 × 20 seeds

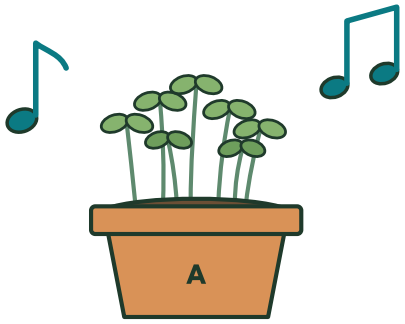
"Music makes plants grow faster."

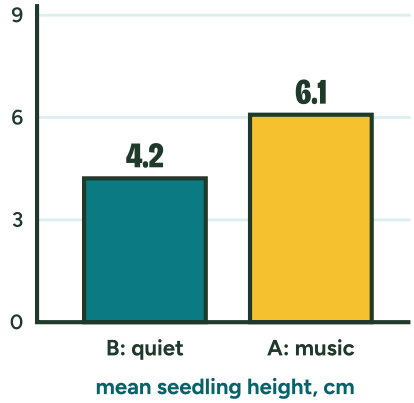
METHOD

1. Sow 20 cress seeds in each of two identical pots of the same compost.
2. Put pot A on the sunny living-room windowsill, next to a speaker playing music.
3. Put pot B on a shelf in the quiet hallway.
4. Water both pots with 20 ml every morning.
5. After 7 days, measure every seedling to the nearest millimetre.

RESULT

The mean seedling height was 4.2 cm in the quiet pot and 6.1 cm with music (+45%).





? Find the flaw in the method, and say what the student should have done.

Example made for this poster, not an actual competition problem.

QUALIFICATION ROUND DEADLINE

Sunday, 1 August 2027

Think like a scientist at IBioC 2027. Every participant receives a certificate.

Take part
ibioc.org/submission