Biology A · Unit 2 · Level 2

Algae Growth Lab



TODAY'S PLAN

- 👥 Jobs
- ⚠️ Safety
- 🌱 Steps
- ✅ Check
- 📝 Reflect

Get ready

Jobs



Labeler

Labels the 3 tubes and the beaker.



Dropper

Adds algae, BTB, soap, fertilizer (counts drops out loud).



Photographer

Takes a photo of all 3 tubes each day.



Recorder

Writes color, clarity, and smell each day.

Safety

Be Safe



🥽 Goggles on. BTB can sting eyes. Tell staff about any spill.

👃 Smell by wafting with your hand. Never put your nose in the tube.

🧼 Wash hands after.

Steps

Steps



1. 🏷️ **Label** 3 tubes: control, dish soap, plant fertilizer.
2. 💧 **Fill** each about ¾ with water. Add 1 dropper of algae to each.
3. 🔵 **Add** 5 drops of BTB to each tube.
4. 🌱 **Add** 5 drops of dish soap to the soap tube and 5 drops of fertilizer to the fertilizer tube. Cap all 3.
5. 📝 **Day 1–4**: record color, clarity, and smell. Photo each day.
6. 🧠 **Claim**: which nutrient helped algae grow?

🃏 Check 1 of 2



The control tube has…

Hold up 1, 2, or 3:

1️⃣ Algae, water, and BTB but no added nutrient

2️⃣ Only soap

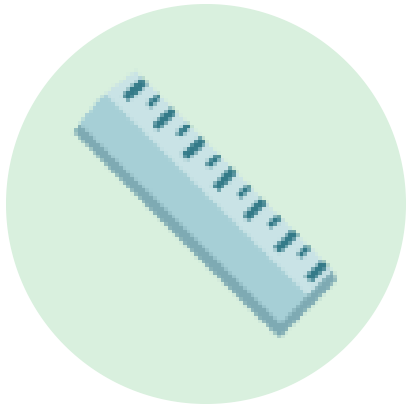
3️⃣ No algae



Algae, water, and BTB but no added nutrient

The control gets nothing extra.

🃏 Check 2 of 2



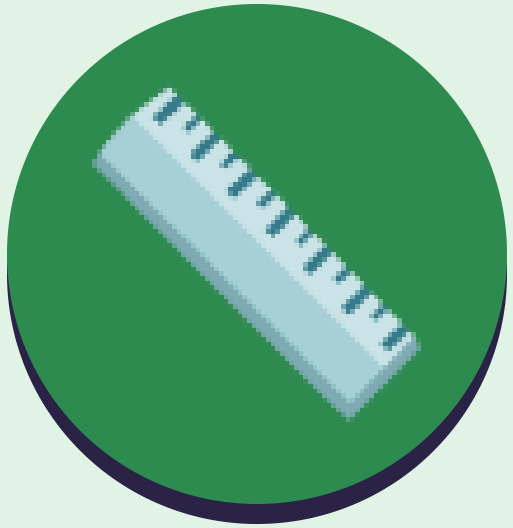
The dependent variable is…

Hold up 1, 2, or 3:

1️⃣ The nutrient added

2️⃣ The number of tubes

3️⃣ Algae growth (color, clarity)



Algae growth (color, clarity)

We measure growth.

Wrap-Up

Clean Up + Reflect



- 🥽 Goggles back
- 🧼 Wash hands
- 📝 Log + claim