Biology A · Unit 2 · Level 2

Elodea & Snails (Observer Jobs)



TODAY'S PLAN

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

Get ready

Jobs



Predictor

Guesses each tube's color before the 48 hours.



Color checker

Matches each tube to the color chart.



Photographer

Photos the 8 tubes on white paper.



Recorder

Writes the colors in the table.

Safety

Be Safe



👩‍🏫 This is a teacher demo. Staff handles the tubes, BTB, and the animals.

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

🐌 Be gentle with living things. Wash hands if you touch the tank.

Steps

Steps



1. 👀 **Day 1**: look at the 8 tubes and what is in each.
2. 🔮 **Predict** each tube's color after 48 hours and why.
3. ⏳ **Wait** 48 hours (dark tubes stay under foil).
4. 🎨 **Final**: read each color with the chart.
5. 🧠 **Explain**: who made CO2 (respiration)? Who used CO2 (photosynthesis)?

🃏 Check 1 of 2



Elodea in the light turns BTB…

Hold up 1, 2, or 3:

1️⃣ Blue (CO2 used up)

2️⃣ Yellow

3️⃣ Red



Blue (CO_2 used up)

Photosynthesis uses CO_2.

🃏 Check 2 of 2



Elodea in the dark turns BTB…

Hold up 1, 2, or 3:

1️⃣ Blue

2️⃣ Clear

3️⃣ Yellow (only respiration)

✅ Answer · Card 2 of 2



Yellow (only respiration)

No light = no photosynthesis, but it still respires.

Wrap-Up

Clean Up + Reflect



- 🧼 **Wash hands**
- 📝 **Table + reflection**