Biology A · Unit 2 · Level 1

Algae & Photosynthesis



TODAY'S PLAN

- 🌿 Algae
- 🔬 Microscope
- ☀️ Plants make food
- 🍃 Leaf holes

Review · 5 minutes

Quick Review



🐋 Orcas eat fish. Fish eat tiny animals.

🌿 Tiny animals eat **algae**. Algae are the **bottom** of the food chain.

👉 Point: what do algae need? ☀️ or 🌙

Words to Know

Words to Know



Algae
tiny green water plants



Photosynthesis
plants make food from sun



Carbon dioxide
gas we breathe out



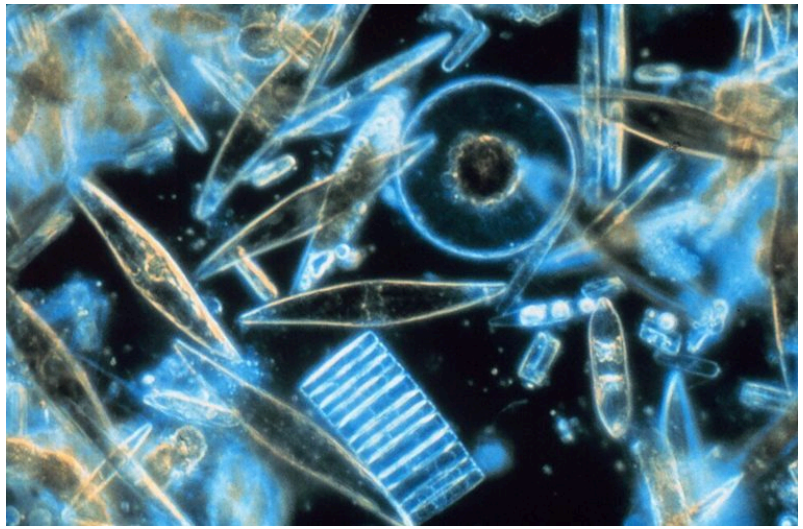
Oxygen
gas we breathe in

Learn

Meet Algae

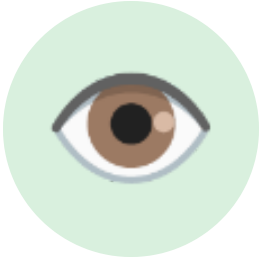
🌿 **Algae** are tiny living things in water.

🔬 We need a **microscope** to see most of them.



Learn

Microscope Parts



Eyepiece
look here



Lens
makes it big

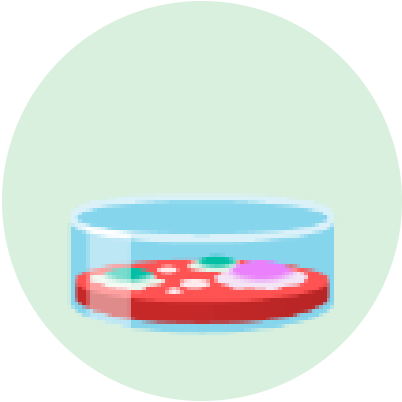


Stage
slide goes here



Knob
makes it clear

🃏 Check 1 of 3



Where does the slide go?

Point to the picture!

👁️ Eyepiece

Stage

✅ Answer · Card 1 of 3



Stage

The slide sits on the stage.

Learn

Plants Make Food



☀️ Sun + 💧 water + 💨 air (CO_2)

➡️ 🍬 **sugar** + 🫧 **oxygen**

🌿 This is **photosynthesis**.

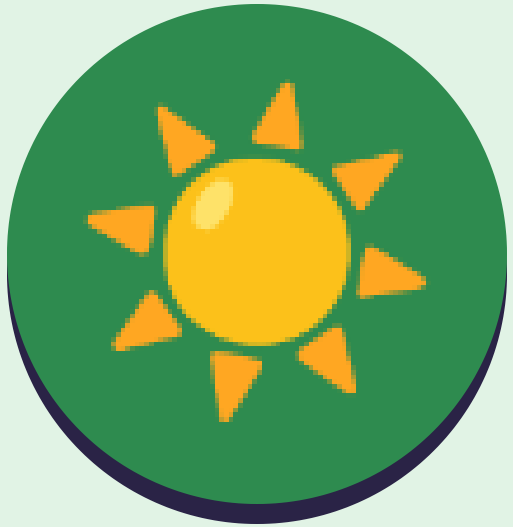


Plants need...

Point to the picture!

☀️ Sun

🍕 Pizza

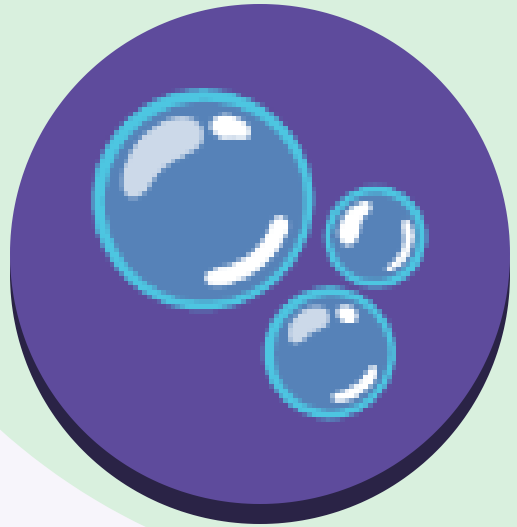


Sun

Plants use sunlight to make food.

Learn

We Need Each Other



🌿 Plants give off **oxygen**. 🧍 We breathe it in.

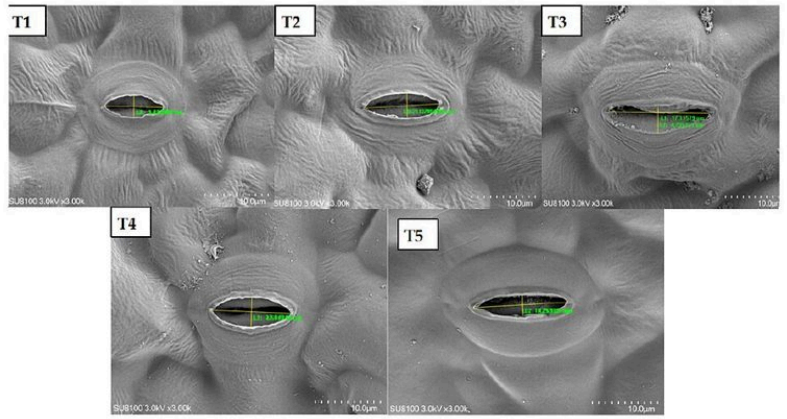
🧍 We breathe out **CO2**. 🌿 Plants use it.

Learn

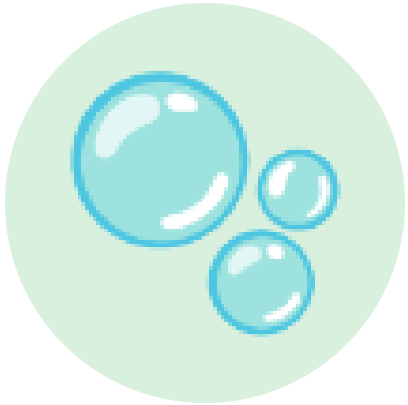
Holes in Leaves

🌿 Leaves have tiny holes called **stomata**.

💨 Air goes **in**. 🫧 Oxygen goes **out**.



Check 3 of 3



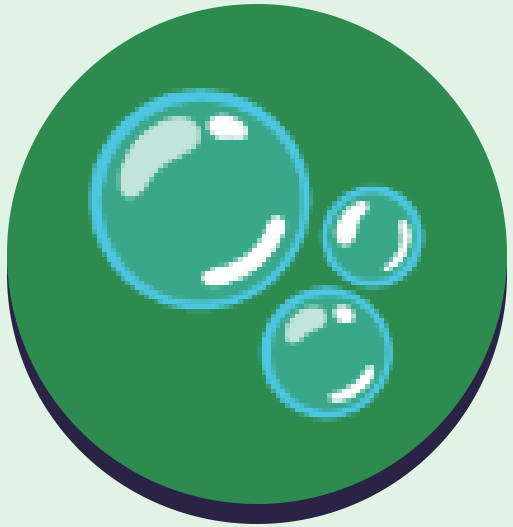
What do plants give off?

Point to the picture!

Oxygen

Food trash

✅ Answer · Card 3 of 3



Oxygen

Plants give off oxygen.

Learn

Color Test



🧪 **BTB** is a color test.

🟡 **Yellow** = lots of CO2. 🔵 **Blue** = less CO2.

Wrap-Up

Recap



Algae
tiny plants in water



Photosynthesis
make food from sun



Oxygen
plants give it off



Stomata
holes in leaves

Wrap-Up

Great Job!



☀️ Plants need sun to make food.

🫧 Plants give off oxygen.

🔬 I can name a microscope part.