Biology A · Unit 2 · Level 2

Stomata Peel (Observer Jobs)



TODAY'S PLAN

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

Get ready

Jobs



Observer

Looks in the microscope and points to stomata.



Counter

Counts stomata in one view.



Tape helper

Presses tape on the DRY polish and peels it (after staff paints).



Recorder

Writes upper and lower counts.

Safety

Be Safe



💅 Staff paints the nail polish. It is flammable and has strong fumes: open the window, no flames nearby.

🔬 Carry the microscope with 2 hands. Glass slides can break: tell staff.

🧼 Wash hands after.

Steps

Steps



1. 👀 **Watch** staff paint clear polish on the top and bottom of the leaf. Wait until dry.
2. 🩹 **Press** tape on the dry polish and peel gently.
3. 🧫 **Tape** the top peel on the left of the slide, the bottom peel on the right.
4. 🔬 **Find** stomata on low power, then switch to 400x.
5. 🔢 **Count** stomata in one view for the top and the bottom.
6. 🧠 **Compare**: which side has more? Why?

🃏 Check 1 of 2



Most stomata are on the…

Hold up 1, 2, or 3:

1️⃣ Lower surface

2️⃣ Upper surface

3️⃣ Stem

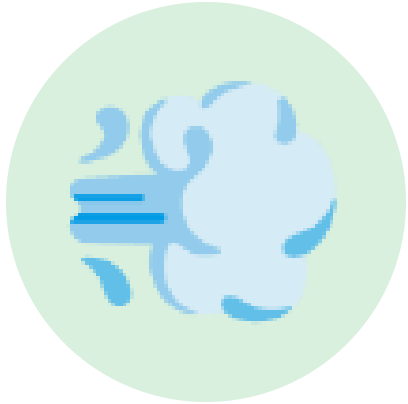
✅ Answer · Card 1 of 2



Lower surface

Underside: less sun, less water loss.

🃏 Check 2 of 2



Stomata let…

Hold up 1, 2, or 3:

1️⃣ Only water in

2️⃣ Sunlight in

3️⃣ CO2 in and O2 + water vapor out

✅ Answer · Card 2 of 2



CO2 in and O2 + water vapor out

Gas exchange.

Wrap-Up

Clean Up + Reflect



- 🔬 Microscope back
- 🧼 Wash hands
- 📝 Data + reflection