

Scientific explanation: Transpiration

Name _____

"*Transpiration* is the process by which moisture is carried through plants from roots to small pores on the underside of leaves, where it changes to vapor and is released to the atmosphere."

Write a scientific explanation supporting this definition of transpiration using the evidence you have found in the last week in Science class. The scientific explanation should include a claim, evidence and reasoning.

Remember, evidence is something you observed or measured. Include at least three pieces of microscopic evidence and the data from the celery investigation.

Claim: Water travels through plants from the root hairs into the xylem then ...

Evidence: Using the microscope, we saw:

- *
- *
- *

We also saw that the celery in the vial....

Reasoning: How does your evidence show that water flows through the celery plant?