

Transpiration Observation

Transpiration is the process of water evaporating from plants through their leaves. Plants 'transpire' or release water through their leaves to cool themselves down and to move nutrients to their leaves to support photosynthesis. The amount of water released by plants depends on many different factors including: the size of the plant, the amount of sunlight the plant receives, the amount of water available to the plant and the amount of wind or humidity the plant is exposed to.

LEAF DIAGRAM



DESCRIPTION OF LEAF FEATURES

1. Green/speckled
2. Long
3. Flat
4. Waxy coating
5. Thin
6. Maleable

TRANSPIRATION DATA

Duration of observation

Amount of transpiration mm

COMPARE YOUR RESULTS

Find a partner and compare your observations of the transpiration process.

PARTNER'S TRANSPIRATION DATA

Leaf description:

1. Round
2. Bumpy
3. Small

Duration of observation

Amount of transpiration

WHAT ARE SOME FACTORS THAT MAY HAVE CAUSED YOUR PARTNER'S PLANT TO TRANSPIRE AT A DIFFERENT RATE TO YOUR PLANT?

My partner's plant was in a shady area and my plant was not, so my plant received more sunlight.

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