

Stomata are pores found mostly on the underside of leaves. _____ pass through these pores during **photosynthesis** and _____. **Guard cells** on either side of the pore _____ and **close** to prevent the escape of water during **transpiration**.

Respiration

Respiration is when plants or animals _____ and use the energy to perform life functions (break down food)

- The food (_____) created through photosynthesis provides the plant with energy to perform life functions.

- To get energy from the food it produces, plants must **break down the sugar** through _____.

- _____ from the air combines with the _____ and produces **carbon dioxide and water**. **Energy** is released so it can be used by the plant.

- _____ and **water** are given off through the **leaves**.
(This process is the opposite of photosynthesis.)

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