

Name: _____

Period: _____ Date: _____

Light and Dark

Four friends were talking about when plants carry out the process of photosynthesis and respiration. This is what they said:

Janet: "Photosynthesis occurs in the light; plants don't carry out the process of respiration"

Calvin: "Photosynthesis occurs when it is light; respiration occurs when it is dark."

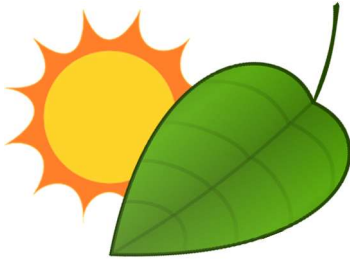
Mika: "Photosynthesis occurs when it is light; respiration occurs both when it is light and when it is dark."

Turner: "Photosynthesis occurs both when it is light and when it is dark; respiration happens at night."

With whom do you agree the most? _____

On the back explain why you agree with that person and not the others.

Adapted from Page Keeley's *Uncovering Student Ideas in Life Science*, VOL.1, NSTA press, 2011



Name: _____

Period: _____ Date: _____

Light and Dark

Four friends were talking about when plants carry out the process of photosynthesis and respiration. This is what they said:

Janet: "Photosynthesis occurs in the light; plants don't carry out the process of respiration"

Calvin: "Photosynthesis occurs when it is light; respiration occurs when it is dark."

Mika: "Photosynthesis occurs when it is light; respiration occurs both when it is light and when it is dark."

Turner: "Photosynthesis occurs both when it is light and when it is dark; respiration happens at night."

With whom do you agree the most? _____

On the back explain why you agree with that person and not the others.

Adapted from Page Keeley's *Uncovering Student Ideas in Life Science*, VOL.1, NSTA press, 2011