

Photosynthesis

Chlorophyll

<p>Photosynthesis is the process by which plants make the food they need to grow and reproduce. The plants convert carbon dioxide and water into sugars using the energy from the sunlight.</p>	<p>Photosynthesis takes place in the leaves which contain a chemical pigment called chlorophyll which makes leaves look green.</p>
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Cut out book as one unit. Fold over. Cut in between each tab. You will have 4 tabs. Be sure to glue under the green part after you fold.

Write in your own research or use this information.

Why do leaves change colors?

Carotene

Anthocyanin

<p>Carotene is a yellow pigment found in leaf cells. It also has a role in photosynthesis by absorbing energy from sunlight and transferring the energy into chlorophyll. Carotene remains in the leaf after chlorophyll disappears making the leaf yellow.</p>	<p>Anthocyanin is a red/purple pigment found in leaf cells when the sugar is high enough to trigger a reaction between proteins and sugars in the cell.</p>
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