

## More About Leaves

When the \_\_\_\_\_ change color, it's almost as if the trees \_\_\_\_\_ off one costume and \_\_\_\_\_ on another. Later this costume flutters to the ground, and the tree \_\_\_\_\_ are winter bare. Scientist think that \_\_\_\_\_ get rid of things they can't use. After flowers have helped \_\_\_\_\_ new seeds for a plant, the \_\_\_\_\_ fall off. And soon after leaves have lost their green stuff - their chlorophyll - they \_\_\_\_\_ off.

A leaf's \_\_\_\_\_ uses sunlight to make sugar from water and carbon dioxide, a gas that is in the air. An interesting thing about plants is that they need \_\_\_\_\_ to live and grow. When the leaves use carbon dioxide to make sugar, another gas, called \_\_\_\_\_, is left over. Because the \_\_\_\_\_ can't use the oxygen, it lets the \_\_\_\_\_ go - or we may say the plant throws it away.

Animals need oxygen to \_\_\_\_\_. Their bodies use the \_\_\_\_\_, and what do you think they have left over? If you guessed carbon dioxide, you're right. When animals \_\_\_\_\_ out, they let the \_\_\_\_\_ go - or throw it away. And so you can see that plants and animals help each other by \_\_\_\_\_ away what the other needs.

In the fall when a \_\_\_\_\_ loses its chlorophyll, its leaves may \_\_\_\_\_ yellow or red. The yellow was there all \_\_\_\_\_, but there was so much \_\_\_\_\_ that the yellow didn't \_\_\_\_\_ until the green went away.

Yellow leaves turn \_\_\_\_\_ only if they have lots of \_\_\_\_\_ in their juice, or sap, and the sunlight \_\_\_\_\_ on them. The more sugar a leaf has, the \_\_\_\_\_ it becomes.

If a \_\_\_\_\_ is kept in the \_\_\_\_\_, it will stay yellow even if it has a lot of sugar. Sometimes a red leaf may seem to have a small yellow leaf \_\_\_\_\_ on it. This happens when a \_\_\_\_\_ leaf next to it \_\_\_\_\_ the sunlight from it. That part of the red leaf that doesn't get any sunlight stays yellow. It's fun to \_\_\_\_\_ leaves, with all their different \_\_\_\_\_ and colors.