

patience

WHAT TO DO: Soon, the leaves will begin to change from green to lots of other colors. Before that happens, pick different kinds of

leaves. Pick green needles, too. Hang them up in your classroom. Just about the time you forget they're there, the leaves still on the trees will start changing color. Collect the same kinds of leaves and needles. Compare them with the older dried leaves.

Lots of people think that leaves change color when they dry out. But that's not true. The leaves and needles you picked first are still green even though they are very dry.

Imagine your leaves are chemical factories. They all use sunlight as their power. What they do is make glucose, a kind of sugar. It's food. When the factory is on, the leaves are green. When the factory shuts down, the color green is pulled out of the leaf, and the other colors can then be seen.

P.S. from Jax: When leaves change color, they've really only lost the color green. The other colors were there all along. The green is from chlorophyll – a chemical plants use in their chemical factories.

FACTORY