

## The science of leaves changing colors!

1. At the beginning of our experiment, our leaves looked like this:  
(draw image of leaf – or print photograph)

Our leaf is a \_\_\_\_\_

2. Then we crushed up our leaves in a jar and added rubbing alcohol. We put the jar in hot water and waited! It looked like this:

3. Here is what it looked like during:

4. We placed a strip of a coffee filter and this is what happened:

We learned that the reason leaves change color in the fall is that the chlorophyll breaks down as it gets colder. This allows the colors (that have been there all along) to show through! We can see them on the coffee filter!