**Bubbly Leaf Experiment**

What you need:

Two green leaves (medium sized)

Two clear glasses

Water

A box

A window with light

Directions:

Fill the two glasses full of water.

Place one of the leaves in each of the glasses.

Place on glass on the windowsill with sunlight.

Place the other glass under a box.

Check the two leaves after one hour.

The idea:

The leaf in the sunlight will continue to photosynthesis. As it produces sugar, food, it will give off oxygen. This will result in small bubbles forming on the outside of the leaf. Since light is needed to photosynthesize, the leaf in the dark will not photosynthesize and will therefore be bubble free.

Questions to ask:

What do you observe on the leaf in the light? The dark?

What are the bubbles made of?

Why does the leaf in the light form bubbles and the one in the dark doesn’t?