



nature

INVESTIGATION CARD

Kate Sessions spent her whole life studying the world around her even down to the smallest cell. Over the years her knowledge of trees grew and grew. There is a lot to learn about trees, like how they breathe. Did you know that trees breathe? They may not breathe like humans do, but tree leaves take in air for use in photosynthesis. Which is the process of using carbon dioxide in the air and sunlight to create oxygen and sugar (food for the tree!). You can see the oxygen by doing a simple experiment! First get a clear bowl and fill it with lukewarm water. Then go outside and pick a leaf from a tree or plant. Place the leaf in the bowl with a rock on top to fully submerge it. You will have to wait an hour or two so leave the bowl in a sunny area and come back later. After the time is up, look at the leaf with the **magnifying glass**. What do you see? Are there any bubbles forming? Try different leaves and see if they produce more or less bubbles.

BOOK # 23



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Scan for leaf
experiment
details:

