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Why Do Trees Release Sap

By: Madison W

For years upon millions of years we have had trees, trees that provide oxygen, allowing humans to live. In all of the trees there is sap. Think of the tree as a human being. Humans have bodies and inside those bodies there is blood. Trees are very similar to humans, whereas they have a body (the tree's trunk and branches) and blood,



also known as sap.

When I started this project I was looking to answer one question: *Why do trees release sap?* Wanting to collect some answers and evidence, I took a walk in the woods behind my school (North Hampton School) on Thursday, April 20th at around 9:15 in the morning. On the way I saw many trees, but not all of them were leaking with sap. Noticing this

I started to wonder if all trees produced sap or if it was generally just maple trees or in the maple tree family. Further research concluded that all trees produce sap and it is used as the “blood” of the tree, providing vitamins and nutrients throughout the tree's structure, allowing it to remain strong and healthy.

I had already found out so much about the sap and how the tree uses it to live, but I still hadn't found the answer to why our trees are releasing it. Wanting to know more I went outside and took yet another walk in the woods behind my school on Friday, April 21st at around the same time as my last walk (9:15 am). On



that walk I found out more about the sap, such as how it turns purple when it dries in the

