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 urpose: To compare different types of plants that live under Hardwood trees such as Hemlock and Oak Trees. Do thefactors such as sunlight, soil, temperature, pH , air temperature, and soil moisture affect the types of numbers of plants under Hemlock and Oak trees?

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# Results: (See charts that follow) 




## Branch B of Hemlock Tree:

Factors Affecting Plant
Growth $\quad$ How Many?

## $\mathrm{O}_{\mathrm{ak} \text { Tree }}$



## onclusion: The purpose of this experiment

 was fulfilled. It was to compare different types of plants under hardwood trees such as Hemlock and Oak Trees.

## According to the Charts:

- The Oak tree has not moss cover, whereas the Hemlock trees both contain a lot of moss. The two major differences between the Hemlocks and the Oak is that the Oak tree receives much less sunlight, therefore also having a higher soil moisture.
- Branch A of the Hemlock Tree seems to have much more of each species of plants. This must have to do with the fact that it receives much more sunlight.
- The Oak Tree receives a little less sunlight than the Hemlock tree therefore leaving it with less plant species.
- The fact that the Oak tree contains so much more soil moisture could be the reason why it has more grass around it.
- Compared to the Hemlock tree, the Oak Tree has a much higher pH . The higher pH may have an affect on the number of plants growing around it.


