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## Defining Soil pH Level in the Classroom Environment

By earning some amount of money from waste paper recycling our school students bought cypress seedlings and planted them in the school garden.

The growing process of the young trees was slower than expected.

So, we decided to find out what type of soil was required for the optimal growth of trees, so as we could take the necessary measures.



One of the essential characteristics of the soil is pH level. Therefore, we decided to do a soil testing.

We took the soil sample and diluted it into the water, afterwards, we performed a filtration and measured the acidity of the soil paste with pH-meter and litmus paper.

The test result was as follows:  $\text{pH} \approx 6.5$ . For a cypress is optimal  $\text{pH} \approx 6.0$

**Conclusion: Based on the test result, the soil was acidified with sulfur suspension. As a result, the growth process of seedlings was noticeably accelerated.**

