



**CALIFORNIA STATE SCIENCE FAIR
2013 PROJECT SUMMARY**

Name(s) Ritesh Malpani	Project Number J1997
Project Title Effect of pH level on Plants	
<p style="text-align: center;">Abstract</p> <p>Objectives/Goals I had done this project to find out why the same plants grow better in certain soils than others. So, my goal was to learn which pH was best for certain plants and even if it affected the growth of plants.</p> <p>Methods/Materials For my procedure I needed to fill pots with soil. Then I had to check the pH of the soil using a pH meter. After that I changed the soil to match the pH levels 4, 7, and 9. Then I had a green house to sustain wind and temprature of plants. Then I transplant my plants, and water my plants using their specific water. The materials I need are pots, soil, water, pH meter, lemon juice, Clorox, 9 Butter Crunch Lettuce, 2 three foot pipes, 2 four foot pipes, 2 looped pipes, 4 corners, plastic sheeting, hot glue sticks, hot glue gun, and table.</p> <p>Results My neutral plant grew the tallest and was green. However my acidic plant grew but not as significant as my acidic plant and the plant was yellow. The alkaline plant withered and became brown.</p> <p>Conclusions/Discussion My hypothesis was proved because the neutral plant grew the tall est and greenest.if I were to do this project again I would test more plants, different pH levels, and also different types of pots. This has real world importance because if farmers know the best pH levels for growing certain plants, they could grow better, so there could be more harvest of the plant in its season. If more plants are grown they can be sold for more money.</p>	
Summary Statement Does the pH of soil affect plant growth.	
Help Received	