

Soil Nutrient Questions

Field Biology

Useful links for soil information:

<http://www.ncagr.gov/cyber/kidswrld/plant/nutrient.htm>

<http://www.donnan.com/soilph.htm>

<http://soils.tfrec.wsu.edu/webnutritiongood/soilprops/04CEC.htm>

- 1) Name the 3 most important macronutrients (mineral) that plants need from soil:
- 2) Explain what each of these nutrients do for plants:
- 3) Are these 3 nutrients found in most fertilizers? If so then how do you determine how much of each there is?
- 4) Name 2 other essential macronutrients (mineral) and 3 micronutrients (mineral) for plants and give an example of how the plant uses each:
- 5) What is the Cation exchange complex (CEC) in soils?
- 6) What is the term for soil that has a high pH? What about a low pH?
- 7) If you find out that the pH in the soil is too high or low, what problems does that cause for plants?
- 8) What is the optimal range of pH in soil for most plants?
- 9) Describe some signs that plants might be missing some essential nutrients and what can be done to this soil to help.