

Soil Nutrient Questions

Field Biology

This is an individual assignment. You can type your work on an iPad and submit it using Google Classroom when you are done.

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 and **EXPLAIN** what each of these nutrients are used for in plants:
 - a.
 - b.
 - c.
- 2) Name 2 other essential macronutrients (mineral) **and** 2 micronutrients (mineral) for plants and give an example of how the plant uses each:
 - a.
 - b.
 - c.
 - d.
- 3) Describe some signs that plants might be missing some essential nutrients and what can be done to the soil to help.
- 4) Explain how soil texture can affect the nutrients that are in the soil. What are the important properties of sand, silt, and clay that influence how those soils retain nutrients for plant use?