

## Kincaid's Lupine and Soil Questions

### *Field Biology*

This assignment is required for all Field Biology students who do NOT attend the field trip to the Noyes Property on Friday, 10/18/2013. When you are done, e-mail your assignment as a Microsoft Word attachment to [dan.bregar@corvallis.k12.or.us](mailto:dan.bregar@corvallis.k12.or.us) with the subject line "per X your name KL Soil Questions"

Answer the following questions in 2-3 sentences each. Use research from internet sites to find the information to answer the questions; after each response include citations using the APA format from this on-line resource: <http://citationmachine.net/index2.php?reqstyleid=2>. If you use more than one website for a paragraph, include citations for both websites. You should use at least 4 different web sites for this assignment (and therefore you should have 4 citations).

1. What is "plant growth rate" - how is it calculated, and what measurements are necessary?
2. How can soil pH affect plants and plant growth?
3. How can soil nitrogen levels be measured?
4. How does soil nitrogen affect plant growth, and what do plants use nitrogen for?
5. What is "soil texture" and how is it measured?
6. How does soil texture affect soil moisture and nutrient levels?
7. How is soil texture important for plant growth?