

## STUDY GUIDE FOR SOIL TEST

Make sure you UNDERSTAND all the terms in this study guide

Practice taking these questions and changing them to form possible test questions

Write all of your thoughts down – you will be able to use your notes on part of the test

- 1) Know the 5 ecological roles of soils for plant, animal and human use
- 2) What are the 4 major components of soil? (think about the pie graph)
- 3) Understand why we can consider soil a living thing (soil dissection).
- 4) Name 2 non mineral nutrients, 3 primary macronutrients (mineral), and 2 micronutrients (mineral).
- 5) Understand how soils hold and recycle nutrients. (CEC)
- 6) Understand the source of our local Willamette valley soils
- 7) Understand what pore space in soil is and name and describe 3 things that it is important for.
- 8) What are the 2 forms of weathering (parent rock to minerals)? Provide examples.
- 9) How does the relative size of the resulting particles (clay, silt, and sand (texture)) affect soil types?
- 10) How did we use technology to find the soil types of where we lived?
- 11) Know how to determine the density of soils, and 3 problems of increasing density (think about pore space).
- 12) Understand the science models you made in your groups, and how they form a picture of soil by using all the interconnected pieces.