



Study Guide

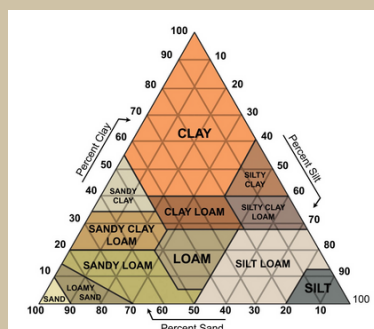


We understand that studying for Envirothon on top of doing school work, finishing up AP tests and finals and whatever else you have on your plate can be overwhelming. With that in mind, we created a study guide to help narrow down the most commonly asked topics for each category. It is in no way comprehensive, but it is meant to be a starting point. We hope this is helpful!

Soils/Land Use

If you have 1 hour to study

- Soil Basics
 - [Soil Science Video](#)
 - [Plant Nutrients in the Soil](#)
 - [Why is Soil Important?](#)
 - [Soil Health Key Points](#)
- Soil Texture Triangle
 - [Learn how to read one](#)
 - [Video](#)
 - [Soil Texture Calculator](#)
 - [Methods for Determining Soil Texture](#)
- Understand soil profiles, soil horizons and sub-horizon designations
 - [Soil Horizons](#)
 - [Soil Profile and Soil Horizons Video](#)
- Munsell Color Chart
 - [How to read one](#)



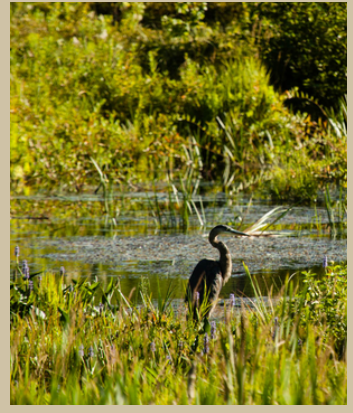
If you have 2 hours to study

- Soil Characteristics
 - organic matter, aggregate stability, water infiltration and compaction
 - [Video](#)
- Soil Structure
 - [Texture, Structure, and Aggregate Stability](#)
- Soil Erosion and Conservation Methods
 - [Erosion Video](#)
 - [Reducing Runoff and Erosion](#)
- Parent Material
 - [How Parent Material Affects Soil Profile](#)
 - [WA State Soil Formation](#) - read pages 6-11
- [Web Soil Survey](#)
 - This allows you to do a soil survey of a particular location. In-depth but cool
- [From the Surface Down](#)
 - An introduction to soil surveys



If you have 3 hours to study

- Wetlands and Hydric Soils
 - [Introduction](#)
 - [Field Indicators of Hydric Soils](#)
 - Very useful information for advanced understanding
- Understand soil drainage classes and how wetlands are defined
 - [Video](#)
- Redoximorphic Features
 - [Article](#)
- Available Water Capacity
 - [Fact Sheet](#)
 - [Soil Water Dynamics Article](#)
- Water Table
 - [Video](#)
- Nutrients in Fertilizer
 - [Article](#)



Feedback



Was this helpful? Were some resources not so helpful? Did you find an awesome resource you want others to know about? Let us know!

Send us an email at

washington.envirothon@gmail.com

