

Agenda, Class 20, June 13

- 1:30-2:50
 - Topic: Natural Resource - Soil
 - NO LECTURE SLIDES FOR TODAY
 - Soil: In-class Activity
- 2:50-3:20
 - Quiz #3

Class 18 Activity: Soil

Soil as an Agricultural Resource

- Source: Video: Soil - From Dirt to Lifeline (15:30 min)

<https://permaculturenews.org/2014/11/06/fred-kirschenmann-soil-dirt-lifeline-ted-video/>

1. What is soil? Why is soil not a renewable resource?
2. How is soil formed? List at least 3 sources. (4:40-6:20)
3. What are some problems that soil, as an agricultural resource, is facing?
 - a. What are some solutions suggested by the speaker?
4. How does composting help soil and waste management?
5. What was the highlight of this video for you?

Class 18 Activity: Soil

Soil and Carbon Sequestration: Mitigating global warming

- Source: Article: “Carbon Sequestration in Soils”
 - By Ecological Society of America
 - <https://www.esa.org/wp-content/uploads/2012/12/carbonsequestrationinsoils.pdf>
 - Link: [Carbon Sequestraion in Soils](#)
1. What is Carbon Sequestration? Why is soil important for this service?
 2. How is Carbon sequestered in soils?
 3. What are the additional benefits for sequestering Carbon in soil?
 4. What are the problems with using Nitrogen fertilizer to enhance Carbon Sequestration in soils?