

VIDEO DISCUSSION GUIDE: SOILS

Soils

Chapter 1, Introduction to Soil (1:30)

Chapter 2, What Is Soil? (4:16)

Discussion Questions *fragments of rock of various sizes (2:59)*

1. What is soil made of? *rocks, minerals, air, water, organic matter (3:27)*
organic matter = humus (3:58)
2. Why is topsoil important for growing plants? *to support roots and provide nutrients*
3. Describe the layers of soil. *- use visual (3:23)* ** water for roots to absorb (2:15)*
4. What are the two most important properties of soil? *air (4:09)* *"pore space" (4:50)*
water
5. How do rock size and shape affect the quality of soils?
↳ Flat/angular - pack together w/ less open pore space (4:42)
→ Rounded - more open pore space to absorb water and move air (4:51)
- better for plants