

1. How does organic matter impact soil color?
2. What nutrient does organic matter provide to plants?
3. What is the parent material created by glaciers?
4. What is the largest soil particle?
5. What soil structure breaks apart in small chunks and is typically found in the subsoil?
6. What does it mean if there are yellow or grey patches in the subsoil?
7. What is the smallest soil particle?
8. What soil structure breaks apart easily into small pellets?
9. What parent material is created by rivers and streams?
10. The soil is made up of 45% \_\_\_\_\_.
11. What was the native vegetation that deposited large amounts of organic matter in Central Illinois?
12. If a soil can move water freely up and down the profile it is said to be \_\_\_\_\_.
13. How much water and air is in an ideal soil?
14. What is the process of water soaking into the soil called?
15. What do we call water that forms a thin film around each soil particle?
16. What is the most fertile soil particle size?
17. What is the most fertile soil texture?
18. What is soil that is deposited by gravity from the top of a hill to the bottom of a hill called?
19. What is it called when water soaks into the soil?
20. What is capillary water?
21. What are the three weather factors that break rocks into mineral matter?
22. \_\_\_\_\_ is the smallest soil particle.
23. What is it called when water pulls all of the nutrients out of the soil?
24. Which layer of a soil profile is the topsoil?
25. Which aged soils are the most productive?
26. What is peat?

27. Which soil structure is rock solid and won't break apart?
28. Which soil structure falls apart into individual particles?
29. Which 2 glaciers created loess in Central Illinois?
30. What type of erosion can be corrected with tillage?
31. Which type of erosion is the most severe?
32. What is compaction?
33. It takes \_\_\_\_\_ years to create one inch of soil.
34. \_\_\_\_\_ occurs when irrigation water has too many dissolved salts.
35. What is it called when water moves down through a soil profile?
36. A \_\_\_\_\_ is a tool that helps determine soil texture based on the percent sand, silt, and clay.
37. When using the ribbon method, if a soil is slick, but does not form a ribbon, it is most likely made up mainly of  
which soil particle?
38. Forest soils are often \_\_\_\_\_ in structure, breaking out in thin layers.
39. What is surface runoff?
40. Where does land slippage occur?
41. A series of trees planted to prevent wind erosion is called a ...
42. What chemical can be used to raise soil pH?
43. What is the CEC and what does it do?
44. What is an ion?
45. Fertilizers are often made up mostly of \_\_\_\_\_, which carry no nutritional value for the plant.
46. The \_\_\_\_\_ tells what percentage of N-P-K is in the fertilizer.
47. What is used to diagnose the current levels of nutrients in the soil?
48. What is chlorosis?
49. \_\_\_\_\_ are elements needed in the largest amounts by plants.
50. What is it called when the layers in a soil profile are mixed up?