



Science Chapter – 5: Soil

Name: _____ Date: _____ Class: IV Sec: ____

I. Read the clues and find out the correct type of soil from the brackets.

(Sandy soil, Clayey soil, Loamy soil, Soil, Silt, Topsoil, Subsoil, Bedrock)

1. You can find this soil in deserts and beach: -----
2. It does not hold much water: -----
3. It is used to make pots. :-----
4. It is fertile: -----
5. It has very small particles: -----
6. It is a mixture of sand, humus, minerals, air and water: -----
7. There is a lot of space between the particles: -----
8. It can hold a lot of water but cannot trap much air: -----
9. It is best for growing plants: -----
- 10 This soil layer contains lot of humus: -----
- 11 This soil particles are smaller than sand particles and bigger than clay particles: ----- 12.
It feels rough and gritty and non-sticky when wet: -----
13. If feels smooth when dry and lumpy and sticky when wet: ----- 14.
It is the middle layer of the soil: -----
15. The bottom layer of soil profile that contains large pieces of rocks: -----
16. It is the top layer of the Earth's surface: -----
17. It is very important for life on Earth: -----
- 18, The soil layer that is affected most by erosion: -----
19. Tree roots reach down into this layer of soil and breaking up the rocks there: -----
20. The layer of soil that contains the most dead plant and animal materials: -----
21. It is an ingredient of soil that is made of dead plants and animals: -----
22. Plants gets most of their nutrients from this soil layer:-----



II. Think and answer

In an experiment to test the water-holding capacity of different soil types, which soil type would likely have the least amount of water after some time? Why?

23. a) Sandy soil b) Clayey soil c) Loamy soil d) Rocky soil

What can happen to the land when soil erosion occurs? Write the reason.

24. a) The land gains essential nutrients
b) The land becomes flat and even
c) The land experiences increased rainfall
d) The land becomes less fertile

25. Label the diagram: Soil profile



