



1. Open the internet explorer and go to the site <http://tinyurl.com/dirtonsoil>
2. You are currently at the section “Down and Dirty.” Read the information, then complete the following:
  - a. Layer sometimes called organic layer = \_\_\_\_\_
  - b. Most soil nutrients found here = \_\_\_\_\_
  - c. Bedrock gets \_\_\_\_\_ to break down into parent material
  - d. Solid rock at the base of the profile = \_\_\_\_\_

3. Now click on “Name that Soil.” Complete the chart below:

<b>Descriptor</b>	<b>Sand</b>	<b>Silt</b>	<b>Clay</b>
Size			
Feel			
Problem			

Soil that is “just right” for plants and soil organisms is called \_\_\_\_\_

4. Now click on “Soil Safari.” Read the overview on this page, then click “Get in.”
5. Read the instructions in the co-pilot section and click the green arrow as you have read each instruction.
  - a. 300 mm is approximately \_\_\_\_\_
  - b. \_\_\_\_\_ is smaller than a human hair
6. As you enter the site, it will give you directions. Remember, once you are in the hole, you can change your size. In addition to finding what the instructions told you to look for in the beginning, provide information on the following (*you might need to shrink down smaller to find some of these things*):

Agriscience

Name: \_\_\_\_\_

(last, first)

Environmental Science

Date: \_\_\_\_\_ Period: \_\_\_\_\_

a. Beetle mite – What is its function? \_\_\_\_\_

b. Nematode – What do they do? \_\_\_\_\_

c. Fungus – They lack these \_\_\_\_\_

d. Nightcrawler – What end survives if they get cut in two? \_\_\_\_\_

e. Mole – How much does it eat? \_\_\_\_\_

What does it do? \_\_\_\_\_

f. Name two other facts you found while exploring:

i. \_\_\_\_\_

ii. \_\_\_\_\_

7. What is your target match? \_\_\_\_\_ They live without \_\_\_\_\_

8. When you activate the tractor beam after finding your target, what three places do you end up going?

\_\_\_\_\_

*Did you find your target match before locating the answers to #6? Click on field guide and use that as a resource to answer the questions or reenter the Soil Safari.*

Done with “The Dirt on Soil?”

A. Go to <http://tinyurl.com/soilhorizons> try to put the layers in the right order based on what you read earlier today. Did you win? \_\_\_\_\_

NOW TRY . . .

B. Go to <http://tinyurl.com/soilvocab>. These concepts should be a review from elementary school. What score did you get on this quiz? \_\_\_\_\_

OR

C. Find someone else who is done and go to <http://tinyurl.com/soiljeopardy> (*No, we haven't covered all these things yet, but it was designed for 2<sup>nd</sup> grade earth science.*) Who did you compete against? \_\_\_\_\_ Who won or was winning when class was over? \_\_\_\_\_

OR

D. Go to <http://tinyurl.com/agbiodiversity> then choose “What’s Your Soil IQ?” How’d you do? \_\_\_\_\_