Answer the following questions. All of the information on this study guide will be on the test.

1. List the groups directly depend on soil for their livelihood.
   __________________________________________________________
   __________________________________________________________

2. Soil is vital to agriculture because it_____.
   __________________________________________________________

3. What is the material from which soil is formed?
   __________________________________________________________

4. Which soil formation factor includes the weathering forces of wind and precipitation?
   __________________________________________________________

5. Which soil formation factor involves microorganisms decomposing dead plants and animals.
   __________________________________________________________

6. List the factors in soil formation.
   __________________________________________________________

7. What are general characteristics of organic soils?
   __________________________________________________________

8. Inorganic soils are ____?
   __________________________________________________________

9. Which inorganic soil material results in fertile and productive soils?
   __________________________________________________________

10. The largest soil particle is _____.
    _________________________________________________________

11. The smallest soil particle is _____.
    _________________________________________________________

12. Which soil particle feels gritty and does not hold water well?
    _________________________________________________________
13. Which soil particle feels smooth and powdery?

__________________________________________

14. Which soil texture is considered good for agricultural production and most crops?

__________________________________________

15. Which values on the pH scale represent Acidic, Neutral, and Alkaline?

Acid _______ Neutral_______ Alkaline_______

16. Soil pH is important in agricultural because it affects _____.

__________________________________________

17. The productive layer of soil vital to producing healthy crops is the _____.

__________________________________________

18. List methods to reduce soil erosion.

____________________________________________________________________________________________

19. Soil erosion is a problem in agricultural production because it _____.

____________________________________________________________________________________________

20. The soil ecosystem consists of plants, animals, and microorganisms that_____.

____________________________________________________________________________________________

21. Soil provides a support for plant roots and _____.

____________________________________________________________________________________________

22. Burrowing animals are beneficial to the soil by _____.

____________________________________________________________________________________________

23. Which helps the soil ecosystem by stirring and aerating the soil and shredding organic matter?

__________________________________________

24. What are small one-celled organisms that often have a symbiotic relationship with plants?

__________________________________________

25. Which are very small roundworms found in all types of soil?

__________________________________________

26. The primary source for the soil food web is _____.

__________________________________________
27. What happens when organic matter is added to the soil?

_______________________________________________________________

28. What is the function of water in the ecosystem?

_______________________________________________________________

29. Write letter of the soil layer by the blank it corresponds with.

<table>
<thead>
<tr>
<th>Letter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>O</td>
<td>consists of organic matter that provides nutrients to plants</td>
</tr>
<tr>
<td>A</td>
<td>composed of organic and inorganic materials</td>
</tr>
<tr>
<td>E</td>
<td>contains little organic matter</td>
</tr>
<tr>
<td>B</td>
<td>parent material</td>
</tr>
<tr>
<td>C</td>
<td>accumulation of materials leached or washed through the soil</td>
</tr>
</tbody>
</table>

True or False  
A silt soil texture is good for making sandpaper and glassblowing.

True or False  
Soil is primarily made up of organic matter.

True or False  
Clay soil is the best kind of soil to have because it tightly holds on to water.

True or False  
Erosion is not a problem for agricultural producers anymore.

True or False  
Humans play no part in the formation of soil.

True or False  
Soils composed of a high percentage of minerals are organic soils.

True or False  
Orange juice is an example of an acidic product.

True or False  
Worms are beneficial to the soil because they decompose organic matter.