

SOIL HONOR BOOKLET



Name: _____

Church: _____

Club: _____

Class: _____

Due Date: _____

In order to successfully complete this honor, you must:

1. Satisfactorily complete this booklet. The pass mark is 75%. The number of marks allocated for each question is given in [] – maximum 50 marks; **and**
2. Pass the Soil honor exam. The pass mark is 50%.

Booklet Score _____

Exam Score _____

Honour Granted Yes ☐ No ☐

Authorized Signature

1. Define what "Soil" means [4 marks]:

Soil is the _____ occurring, unconsolidated or loose covering of broken
_____ and decaying _____ matter (humus) on the surface of the Earth,
capable of supporting _____. In simple terms, soil has three components: solid, liquid,
and gas.

2. Where on earth is all soil located? [1 Mark]

3. What are the five (5) key factors in soil formation? [5 Marks]

- a. _____
b. _____
c. _____
d. _____
e. _____

4. Define the following terms [12 Marks]:

A-Horizon: _____

B-Horizon: _____

C-Horizon: _____

Organic Layer: _____

Mineral Layer: _____

Clay: _____

Leaching: _____

Silica: _____

Humus: _____

Soil Profile: _____

Parent Material: _____

Pedologist: _____

5. Define the term "Soil Classification". Why are soils classified? [5 Marks]

Definition - Fill in the blanks:

Soil classification is a dynamic subject, from the _____ of the system itself, to the definitions of _____, and finally in the application in the field. Soil classification can be approached from the perspective of soil as a _____ and soil as a _____.

Why:

6. Discuss three differences between the following soil type: [9 Marks]

Desert:

1. _____
2. _____
3. _____

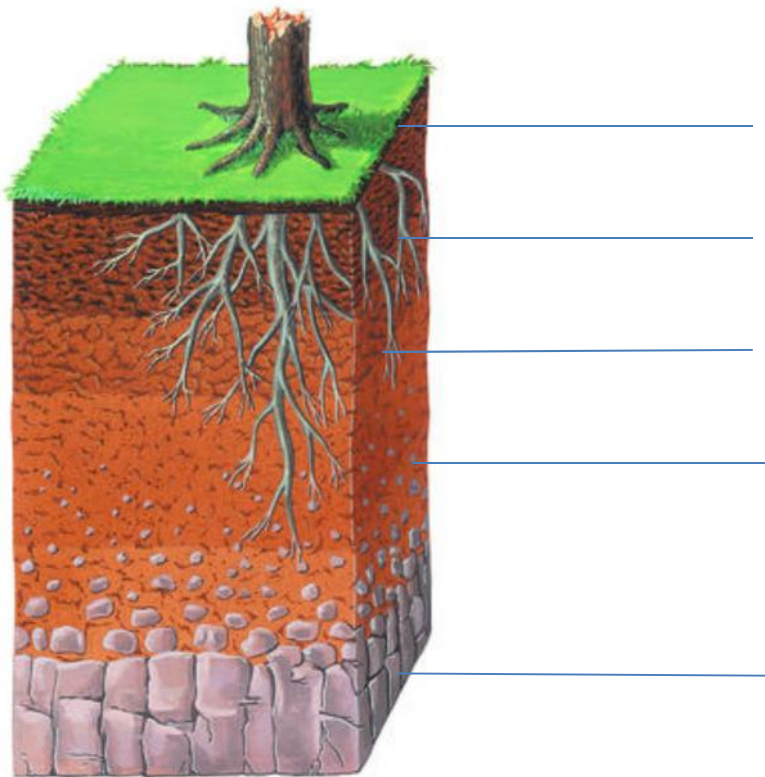
Temperate:

1. _____
2. _____
3. _____

Tropical:

1. _____
2. _____
3. _____

7. Label the vertical section of soil diagram shown below [4 Marks]



8. Look at the pictures below and correctly label the different soil types. [8 Marks]





