

Science **Std- III**
L- 12

(Soil and rocks)

A.Fill in the blanks.



1. Soil is a mixture of _____ , _____ and _____.

Ans. Air , water , minerals



2. _____ is a mixture of sand and clay.

Ans. Loamy soil

3. _____ makes the soil fertile.

Ans. Humus



4. _____, _____ and _____ live in soil.

.Ans. Snail, earthworm, beetle

5. Crops grow well in _____ soil.

Ans. Loamy

B. Write true or false.

1. Sandy soil can hold a lot of water - False

2. Clayey soil has lots of air space between its particles- False

3. All crops grow in the same type of soil - False

4. Soil can be protected by planting more trees - True

5. Natural manure is made in factories - False

C. Answer these followings.

1.What is soil ? Name the different layers of soil.



Ans. The top most layer of the earth where plants grow is called soil. Soil contains water, air, minerals and other substances such as humus.

The different layers of soil are

Top soil,

Sub soil

Bed rock.

2.What is humus? Why is it important for plants?

Ans. The dead remains of plants and animals decay and mix in the soil to make up the humus.

It is important for plants because it makes the soil fertile.

3. Describe the process of soil formation.



Ans. *Due to the continuous action of the heat of the sun, rain and wind, the rocks crack and break down into small pieces .

***These small pieces further break down into smaller pieces**

*** The smaller pieces rub against each other to form tiny particles of soil.**

*** Dead remains of plants and animals get added to this and thus soil is formed.**

4. What is sandy soil ? Why plants do not grow well in sandy soil?



Ans. Soil that contains a lot of sand particles is called sandy soil.

Plants do not grow well in sandy soil because sandy soil can not hold much water.

5. Give two points of difference between clayey soil and loamy soil.



Ans. CLAYEY SOIL

***Soil that contains mostly clay particles is called clayey soil.**

***Clay particles are very small and tightly packed that's why very little air is present between them. These soil particles can hold a lot of water.**

***Plants do not grow well in clayey soil as it does not have air and has too much of water.**

LOAMY SOIL



***Soil that contains both clay and sand is known as loamy soil.**

***Loamy soil contains air, water and humus in the right quantities.**

***Plants grow well in loamy soil.**

6. What is the importance of soil ?

Ans. *Soil is very important as:

***It provides minerals and water to the plants to grow.**

***Many small animals such earthworm, snails and tiny insects live in the soil .**

7. What is manure ? Why is it added to soil ?



Ans. Manure is organic waste that is used to make the soil more fertile .eg cow dung, fish bone, vermicompost.

It is added to soil because crops grow well in manure-rich soil.

Do yourself:

Paste/draw the pictures showing the formation of the soil.