

Mothercare Preparatory Schools

Primary Five Science Holiday Work – Week One

Name: _____

Topic: Component of the environment.

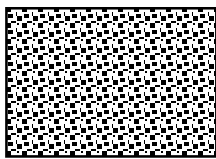
Questions

1. Briefly explain the meaning of the term "soil".

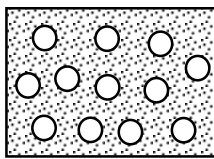
2. State the two ways in which soil is formed.
(i) _____
(ii) _____
3. Write down the three types of soil.
(i) _____
(ii) _____
(iii) _____
4. Why is loam soil regarded as the best soil for plant growth?

5. Which type of soil has got the highest rate of capillarity?

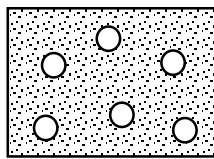
6. Use the diagrams below to answer the questions that follow.



A



B



C

- a) Identify the types of soil marked;
A _____
B _____
C _____
8. Write down one importance of each of the following types of soil.
a) Loam soil _____
b) Sand soil _____
c) Clay soil _____

9.a) How is humus formed?

b) Besides building, state any other function of sand soil.

10. What do you understand by each one of the following below;
a) capillarity

b) drainage

11.a) Why is sand soil not suitable for crop growing?

b) Which type of soil is suitable for pottery work?

c) Give a reason to support your answer in "b" above.

12.a) Write down any four components of soil.

(i) _____

(ii) _____

(iii) _____

(iv) _____

b) Why is top soil considered to be the best layer for growing crops?

13.a) What is soil erosion?

b) Write down two causes of soil erosion.

(i) _____

(ii) _____

c) Name any two agents of soil erosion.

(i) _____

(ii) _____

d) Give two types of soil erosion.

- (i) _____
- (ii) _____

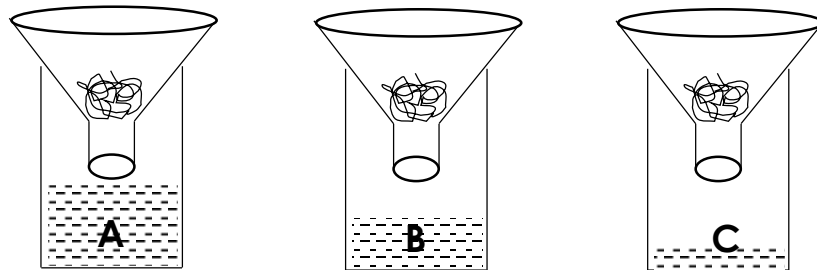
14.a) State two ways of improving on soil fertility.

- (i) _____
- (ii) _____

b) Write down any two ways how soil loses its fertility.

- (i) _____
- (ii) _____

15. Use the diagrams below about the drainage of water through different types of soil to answer the questions that follow;



a) Identify the type of soil marked;

- A _____
- B _____
- C _____

b) Which type of soil allows water to pass through it;

- (i) fastest _____
- (ii) moderately _____
- (iii) slowest _____

16.a) What is soil exhaustion?

b) Give two causes of soil exhaustion.

- (i) _____
- (ii) _____

17.a) What are fertilizers?

b) State two types of fertilizers.

- (i) _____

(ii) _____

c) Write down two examples of natural fertilizers.

(i) _____

(ii) _____

18.a) Write the following in full.

a) FYM _____

b) SSP _____

c) Give one advantage of using/applying fertilizers in the soil.

19.a) Write down the way of controlling soil erosion in the following places.

a) school compound

b) in the garden

c) in hilly or mountainous areas

20.a) How are plants able to get dissolved mineral salts?

b) By what process do plants absorb these mineral salts?

d) Name atleast two mineral salts absorbed by plants from the soil.

(i) _____

(ii) _____

-End-