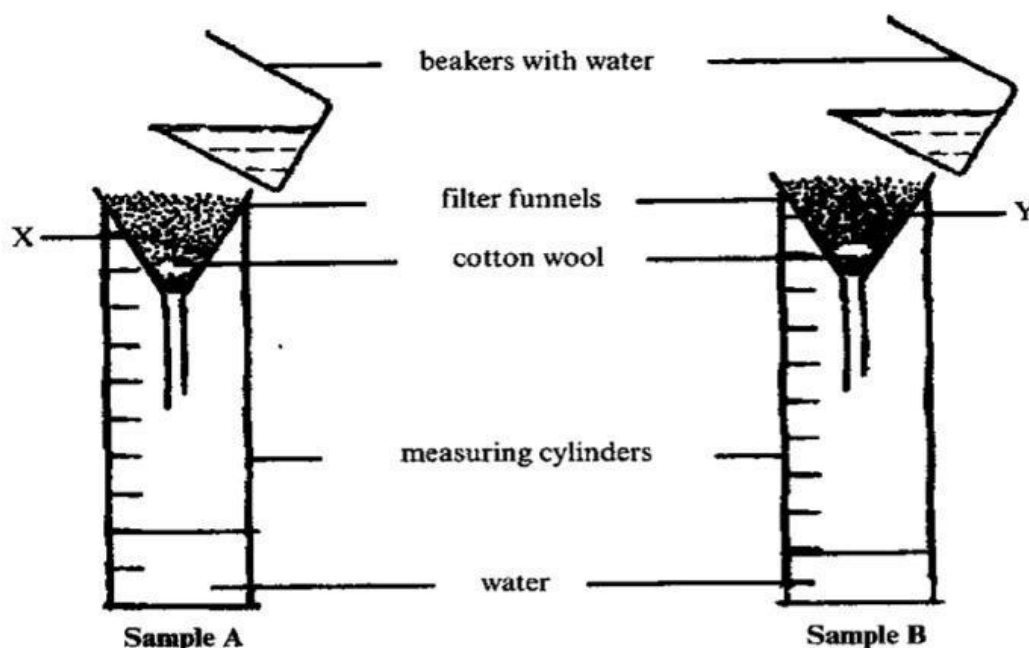


Name: _____

Date: _____

A student investigating soils, sets up this experiment to compare the drainage of two soil samples.



- (a) Identify the soil sample that will drain (i) quickly, (ii) slowly. [1]
- (i) quickly _____ [1]
- (ii) slowly _____ [1]
- (b) Give a reason why one soil sample drains faster than the other soil sample. [1]
- _____
- (c) Water is poured into a beaker containing a sample of soil. [2]
- (i) State what is observed as the water is absorbed into the soil sample and suggest a possible reason for this observation.
- observation _____
- reason _____ [2]

The mixture of soil and water is stirred and allowed to settle.

- (ii) Identify the part of the soil which will float on top of the water; [1]
- _____
- settle at the bottom of the beaker. [1]
- _____

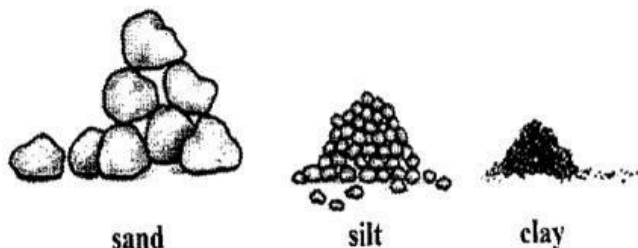
Name: _____

Date: _____

This question is soil, fertilizers and natural cycle.

- a. Name the process by which soil is formed from bedrock (1)

- b. The diagram shows three different kinds of soil. Identify the type of soil in which water drains (2)



I. Rapidly, poor water storage; _____

II. Slowly, good water storage; _____

- c. A fertilizer is applied to soils to supply nutrients essential for the growth of plants.

I. Name the Two kinds of fertilizers. (2)

i. _____

ii. _____

- d. Name the kind of fertilizers which can leech from the soil into rivers and lakes to cause water pollution. (1)

- e. State one harmful effect of water pollution on living organism.(1)

- f. The label shows the symbols for three elements (chemicals) and their results on main structure of the plant.(3)

label with symbols and results			name of elements
Green Foliage	N		_____
Strong Roots	P		_____
Healthy Growth	K		_____

[3]