

AGRICULTURE GRADE 10

Grade 10

WEEK 1

Section A

- 1.(a) A- ammonification
B- nitrification

- (b)(i) X- denitrifying bacteria
(ii) Y- nitrogen plants

- (c) leguminous plants.

- 2.(a) e.g A-> hoe is to break clods of soil

- (b)(i) by oiling
(ii) by exposing the tool to rain.
(iii) by keeping the tool in a dry place after use.

3.(a).	<u>Type of crop.</u>	<u>Fertilise</u>	<u>reason</u>
	Leaf.	22:11:11	large amount of Ni needed
	Root.	10:20:10.	P needed for root development
	Tomato	13:13:20	K needed for fruiting

(b) to avoid stickiness or any acceptable answer

- 4.(a) A- percolation
B- transpiration

- (b)(i) it promotes soil erosion
(ii) by growing a grass cover

5.(a) refer to notes

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|-----|----------|---------|---------|
| (b) | Bean. | Cabbage | Carrot |
| | Cabbage. | Carrot. | Bean |
| | Carrot | Bean. | Cabbage |

(c) refer to notes

6.(a) refer to notes

(b) biological- roots or animals

Physical- changes in our temperature, etc.

Chemical- acid rain, etc...

(c) refer to notes.

7.(a) refer to notes.

(b). 2 advantages

(i) crop residues can be used to feed animals

(ii) manure from animals can be used as a fertiliser

2 disadvantages

(i) fencing is required to separate livestock from crops

(ii) a good knowledge of livestock and crop husbandry Needed.

(c) by depleting the same nutrients from the soil.