

## MEMO GRADE 8 NS EXAM 2015

### Question 1

- 1.1 Population ✓
- 1.2 Hydrophytes ✓
- 1.3 Autotrophs ✓
- 1.4 Mullerian mimicry ✓
- 1.5 Protozoa ✓

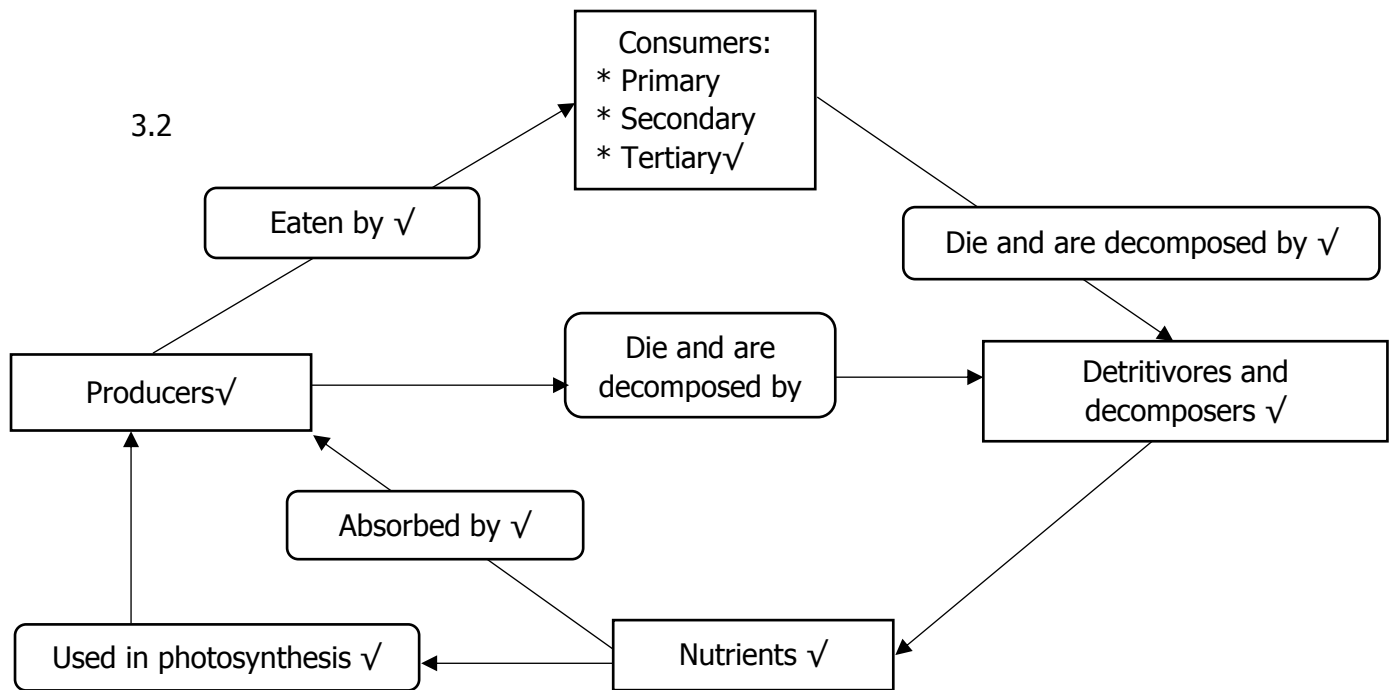
### Question 2

- 2.1 Carbon dioxide ✓  
Light energy ✓  
Oxygen ✓  
Glucose ✓  
Water ✓
- 2.2 Glucose ✓
- 2.3 Saprophytes – Plants that survive on dead organic tissue ✓✓  
Parasites – Live on living organic tissue ✓✓
- 2.4.1 Glucose/Oxygen/Starch ✓
- 2.4.2 Green plants that are exposed to sunlight produce starch by means of photosynthesis. ✓✓

### Question 3

- 3.1.1 Leopards/Eagles/Sharks/Snakes/Spiders  
- Predators are carnivores that hunt to get food.
- 3.1.2 Hyenas/Vultures  
- Scavengers are carnivores that feed on animals that are already dead.
- 3.1.3 Pangolin/Aardwolf  
- Insectivores are animals that mainly feed on insects and other smaller invertebrates
- 3.1.4 Oysters/Lobster  
- Detritivores are scavengers that feed on the waste of plants and animals.

3.2



3.3.1 Mimicry

3.3.2 Camouflage

#### Question 4

- 4.1
- \* Bacteria
  - \* Viruses
  - \* Fungi
  - \* Algae
  - \* Protozoa

4.2

Viruses	Bacteria
Penetrates cells and take over the control and activity of the cell	Has hair-like growths with which it can attach to the host and therefore prevent it from being washed away
Forces the cell to produce new copies of the virus	It has tails with which it can swim to a specific destination
Generally kills the cell	It releases harmful toxins that result in fever.
	It can penetrate and destroy cells by feeding on it.

4.3

Decomposers ✓	Break down dead plant and animal material and put nutrients back into the soil. ✓
Water purifying ✓	Used to purify the water✓ Feed on the sludge that stay behind
Digestive system ✓	Found in the colon where they protect the body against harmful bacteria and feed of the food present in the colon✓
Production ✓	Important role in the production of various products (Chocolate, wine, cheese, beer, bread, Toothpaste and vinegar)✓

4.4 Wash hands often  
Boil drinking water  
Sterilisation

### Question 5

5.1

