

SUVA SANGAM COLLEGE
YEAR 9
BASIC SCIENCE
WORKSHEET 7

Question 1

Within an ecosystem, animals eat organisms and are in turn being eaten. The food relationship among organisms in an ecosystem is called a food chain.

- i) What is a producer and give an example of it?
- ii) What percentage of energy is passed on up the food chain?
- iii) Construct a food chain which has a producer, an herbivores and a carnivore.

Question 2

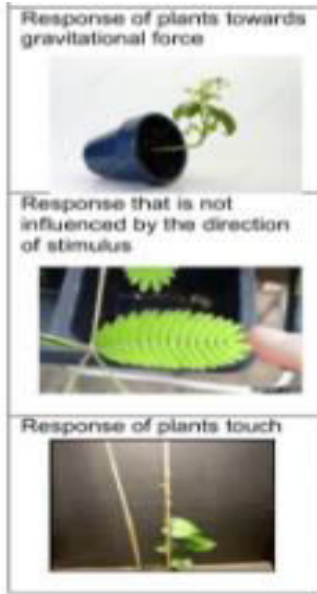
Plant have certain adaptation that have help them to acquire the resources it needs. This are some response plant that have acquire to enable their survival in nature.

- i) Define tropism.
- ii) Explain how auxin help plants to acquire more sunlight.
- iii) Differentiate between the two plant response; Geotropism and Thigmotropism
- iv) Matching the following tropisms to the corresponding description.

1. Phototropism
2. Geotropism



3. Hydrotropism
4. Thigmotropism
5. Nastic response



Question 3

Human impacts on the ecosystem often drastically affects the biodiversity of such ecosystem. Biodiversity play a vital role in our survival in this planet earth.

- i) Define Biodiversity and give an example.
- ii) State at least two importance of Biodiversity in an ecosystem.
- iii) Explain how we human have affected the balance of biodiversity of an ecosystem with examples too.