



Grade 7 SCIENCE (By Efange, Simon ^{M.Ed.})

TOPIC: Biotic and Abiotic Factors

SECTION A: Choose the correct answer

1. The soil plants, air, as well as the insects, birds and rodents that call this garden home are referred, to by what term?
 - a. abiotic elements.
 - b. a habitat.
 - c. an ecosystem.
 - d. a population
2. Which of the following is not a part of a tree's role in an ecosystem?
 - a. To provide shelter
 - b. To conserve water
 - c. To supply oxygen
 - d. To supply food
3. Considering their diet, what type of consumer are the koi fish?
 - a. Scavengers
 - b. herbivores
 - c. carnivores
 - d. omnivores
4. A group of birds feeding on a tree is an example of which biotic term?
 - a. population
 - b. community
 - c. habitat
 - d. ecosystem
5. Which of the following is not one of the basic needs of biotic elements?
 - a. social interaction
 - b. suitable habitat
 - c. water,
 - d. oxygen
6. Plant leaves have a special green substance that is needed for the reaction to occur. What is this substance?
 - a. carbon dioxide
 - b. glucose
 - c. sunlight
 - d. chlorophyll
7. What is the name for all the animals of the same species living in an ecosystem?
 - a. population
 - b. community
 - c. species
 - d. organism

8. What is the name for all the living things in an ecosystem?
- a. community
 - b. population
 - c. city
 - d. species
9. Ecosystems provide _____ upon which animals and man depend.
- a. Goods
 - b. decomposition
 - c. climate
 - d. water and air
10. Water, soil minerals, nitrogen and energy are all essential _____ components of an ecosystem.
- a. biotic
 - b. abiotic
 - c. carbons
 - d. services

SECTION B: Drag and put the words in the correct box

Sunlight Rain Stone Plants Snake Frog Boy Worm Heat

Biotic

Abiotic