



**Grade 7 SCIENCE (By Efange, Simon <sup>M.Ed.</sup>)**

**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**

<b>Biotic</b>

<b>Abiotic</b>