

**SHREE BHARAT SHARDA MANDIR**

**GRADE 8 NATURAL SCIENCES TERM 1 2014 CONTROL TEST**

**TIME : 1 HOUR**  
**MARKS : 50**  
**EXAMINER : S. SINGH**  
**MODERATOR : T. SETHABANE**

**INSTRUCTIONS :**

1. This question paper consists of 6 pages.
2. Answer all questions in the space provided.
3. Write neatly and legibly.

**QUESTION 1**

Read each question and choose the correct answer by writing down the letter A, B, C or D in the table below.

- |     |   |
|-----|---|
| 1.1 | Which of the following is not part of photosynthesis ?    |
|     | A. oxygen   |
|     | B. carbon dioxide   |
|     | C. glucose  |
|     | D. lactic acid  |
| 1.2 | Clear lime water is used to test for                      |
|     | A. calcium hydroxide                                      |
|     | B. carbon dioxide   |
|     | C. lactic acid  |
|     | D. alcohol  |
| 1.3 | Ruminants are   |
|     | A. herbivores   |
|     | B. carnivores   |
|     | C. omnivores  |
|     | D. decomposers  |
| 1.4 | Which of the following is an insectivore ?                |
|     | A. guinea fowl  |
|     | B. pangolin   |
|     | C. crow   |
|     | D. millipedes   |
| 1.5 | Which of the following about the white rhino is correct ? |
|     | A. square lipped  |
|     | B. calf runs after mother                                 |
|     | C. eats leaves and bark                                   |
|     | D. faces head upward to eat                               |

1.1	1.2	1.3	1.4	1.5

/5

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**QUESTION 2**

Provide the correct term for each of the statements.

- 2.1 openings on leaves for gaseous exchange
- 2.2 organism that make their own food
- 2.3 a breaking down process like respiration
- 2.4 all the ecosystems on Earth
- 2.5 a feeding level in a food chain

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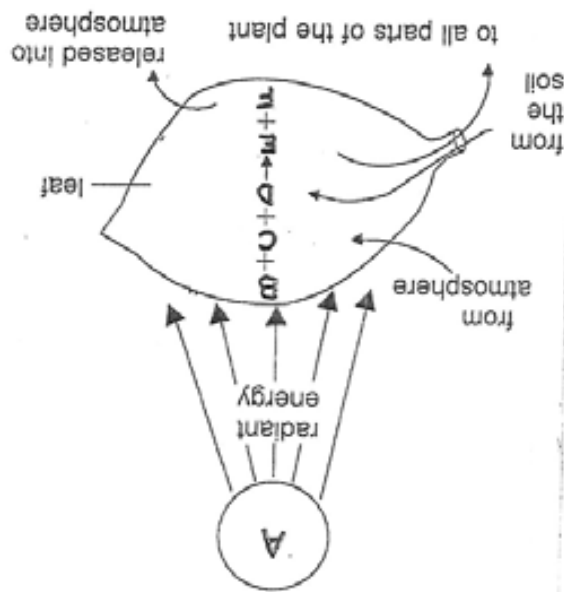
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**QUESTION 3**

Study the diagram below and then answer the questions that follow.



3.1 Identify B and explain what it does.

(2)

3.2 Identify E and explain how a plant stores it.

(2)

3.3 Briefly explain what will happen if A is removed.

(2)

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5.2 State what type of symbiosis is shown in C. Explain. (2)

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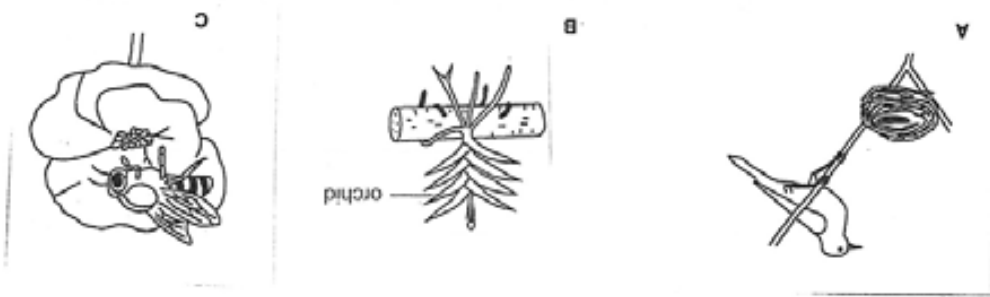


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5.1 A and B both show commensalism. Explain why in each case. (4)

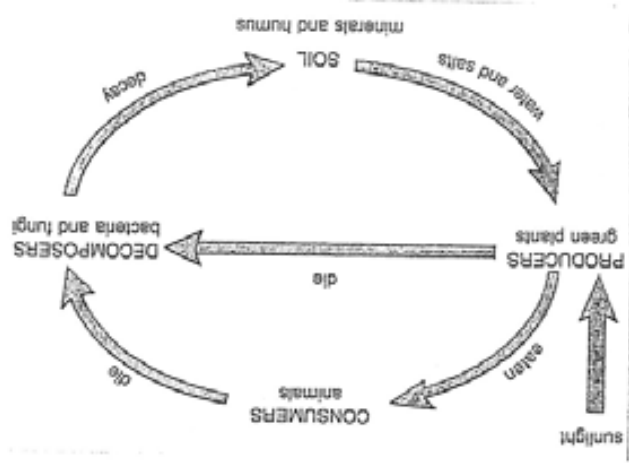


The following diagrams show the relationships that exist between organisms. Study the diagrams and then answer the questions that follow.

**QUESTION 5**

	AEROBIC	ANAEROBIC
Where does it occur ?		
What is needed ?		
What is produced ?		

**QUESTION 4**  
List the difference between the two types of respiration by making use of the table below.



QUESTION 7  
Study the diagram below and then answer the questions that follow.

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6.2 Predict what will happen if organism 4 is removed from the ecosystem. (2)

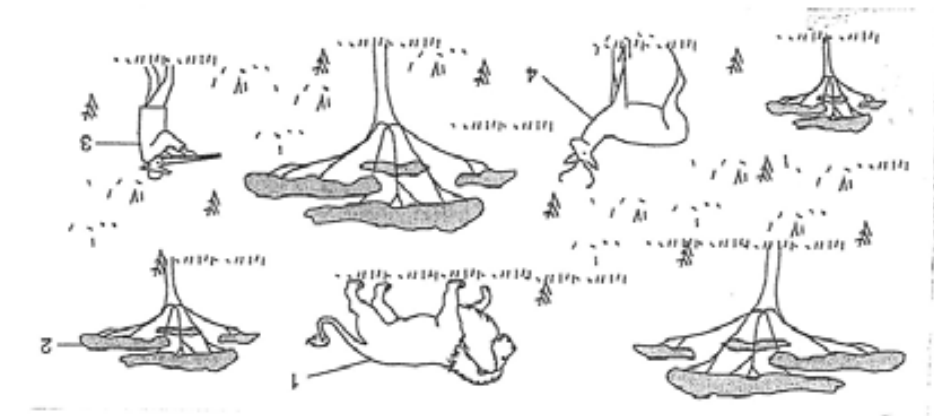
6.1 State which number refers to a/an : (3)

- a. predator
- b. primary consumer
- c. omnivore

\_\_\_\_\_

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QUESTION 6  
Study the diagram of an ecosystem and the answer the questions that follow.

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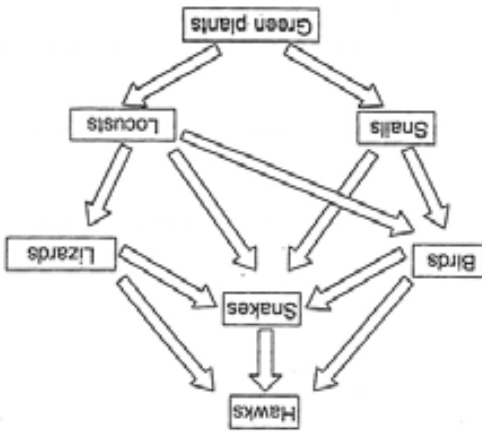


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8.2 Write down 3 food chains that you can identify in the above diagram. (3)

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8.1 State what the above diagram is showing. (1)



Study the diagram below and then answer the questions that follow.

**QUESTION 8**

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7.3 Predict the consequences if decomposers were removed? (1)

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7.2 State two substances that are 'put back' into the environment. (2)

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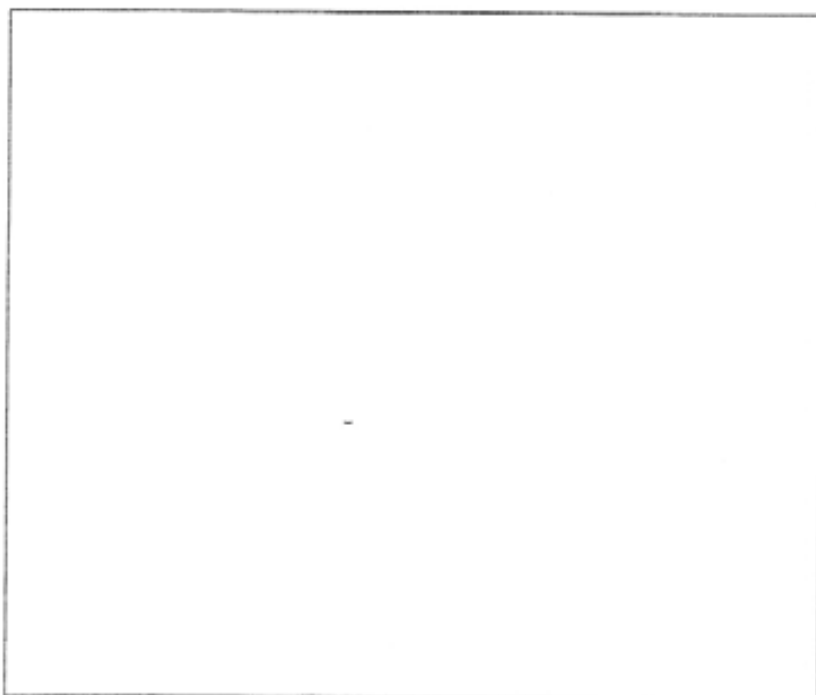
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7.1 State what the above diagram is showing. (2)

TOTAL : 50 MARKS

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8.4 Predict what would happen if the snakes were removed. (2)



8.3 Use one of the food chains you have written in Q 8.2 to draw a food pyramid in the space below. (6)  
*The food pyramid you draw must have 4 levels.*