Intermediate Science 7

Unit 1: Interactions In An Ecosystem Topic 3: Interactions In An Ecosystem



Student Name	
Student Name	

Interaction refers to how the actions of an organism affect its environment. There must be interactions within our environment in order for organisms to survive.

Example: A bear eating berries and drinking from a stream.

Interactions in an ecosystem can be classified as:

1) Abiotic – Abiotic

Example:

Sunlight causes water to evaporate

2) Biotic – Abiotic

For Example:

Polar uses water to move from one location to another A worm aerates the soil

3) Biotic – Biotic Interaction

For example

A bird nesting in a tree

A bear eating a moose

A mosquito biting a person

Living things interact within their ecosystem to obtain:

- 1) Food
- 2) Oxygen
- 3) Water
- 4) Shelter
- 5) Protection
- 6) Transportation

PART A: MULTIPLE CHOICE

Abiotic Factors

Use the following below to answer questions 3 to 5

Biotic Factors

Interactions

Habitat

True

False

ecosystem?

(A)

(B)

(C)

(D)

(A)

(B)

1.

2.

	I.	A moose eats 25 kilograms of fir trees a day	
	II.	Bears hibernate in rock cave during the winter	
	III.	Cold temperatures causes water to freeze	
3.	Which of the above describes an abiotic-abiotic interaction?		
	(A)	I	
	(B)	II	
	(C)	III	
	(D)	I and III	
4.	Which of the above describes an biotic-abiotic interaction?		
	(A)	I	
	(B)	II	
	(C)	III	
	(D)	I and III	
5.	Which of the above describes an biotic-biotic interaction?		
	(A)	I	
	(B)	II	
	(C)	III	
	(D)	I and III	
6.	Why does a bird built a nest in a tree?		
	(A)	Recreation	
	(B)	Shelter	
	(C)	Transportation	
	(D)	Water	
7.	Why	do animals need plants in an ecosystem?	
	(A)	Food	
	(B)	Oxygen	
	(C)	Shelter	
	(D)	All are correct	

Which of the following describes how the actions of an organism affects its

Living things rely on non-living things for their survival?

PART B: WRITTEN RESPONSE

1.	What is an interaction?		
2.	Describe two interactions that you have had today with the biotic parts of your ecosystem		
3.	scribe two interactions that you have had today with the abiotic parts of your osystem.		
4.	List four reasons why living things interact within their ecosystem and provide an example of each.		