Name: _____ Grade: _____ Date: _____

UNIT TEST

BIODIVERSITY & ECOSYSTEM

MULTIPLE CHOICE SECTION

INSTRUCTIONS: Choose the letter that best answers the following questions.

1. Which environmental factor is abiotic?
a. Light intensity
b. PH
c. Sun
d. All of the above

2. Which is the utmost threat to an ecosystem?
a. Deforestation
b. Disease
c. Human interference
d. Overfishing

3. In a jungle, a lion stalks and kills another animal for food. What term best describes the lion?
a. Carnivore
b. Decomposer
c. Predator
d. Omnivore

4. Which organism ends a food chain?
a. Carnivore
b. Omnivore
c. Predator
d. Apex consumer

5. Which term describes organisms that breaks down waste?
a. Amoeba
b. Protozoans
c. Bacteria
d. Decomposers

LIVEWORKSHEETS

SHORT ANSWER SECTION

6. **INSTRUCTIONS:** Answer ALL parts of the questions below.

a. Define the term, Ecosystem. (2)

b. Describe **TWO** negative impacts human activity has made on the biodiversity of The Bahamas. (2)

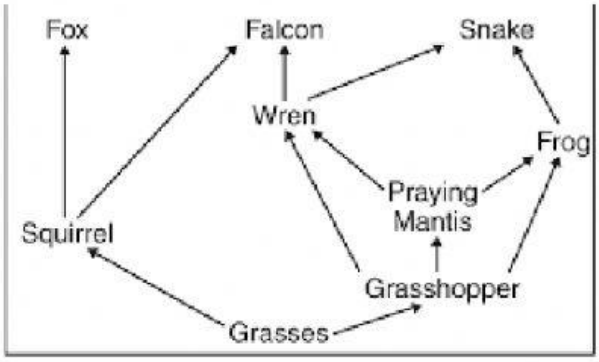
c. What is the difference between a community and population? (2)

d. What are FOUR activities regulated by Marine Protected Areas of The Bahamas? (4)

LIVEWORKSHEETS

7. **INSTRUCTIONS:** Answer ALL parts of the questions below.

The diagram below represents a food web. Use the diagram to answer the following questions.



a. Name TWO apex predators (2)

b. Provide a name of an organism that best describes the statements: (3)

I. Decomposer

II. Herbivore

III. Third trophic level

c. Write down one visible food chain that includes at least THREE organisms. (3)

LIVEWORKSHEETS

d. Name the producer and primary consumer of the chain created above (c). (2)

Producer

Primary consumer

e.In the space provided below, draw an energy pyramid using the food chain created in question (c). Ensure that your energy pyramid includes the number that shows correct percentage (KJ/energy) at each trophic level. Your producer's energy must be 457890 KJ. (5)

ESSAY QUESTION

INSTRUCTIONS: Answer the essay question below. Ensure that you read carefully and answer ALL parts of the question.

"Biodiversity is an important aspect of a country's ecosystem. The protection and maintenance of our environment plays a major role in all aspects of The Bahamian life." Describe the impact Biodiversity has on the social, biological resources and ecosystem services. Ensure that you thoroughly explain all aspect and provide TWO examples. (10)

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