

Name _____

Biology Homework Chapter 1: The Web of Life

Per. _____

Answer the questions with complete thoughts!

* **Sections 1.1 and 1.2:** Read pages 5 to 10.

PART A:

1. Define the following terms.

Biology _____

Ecology _____

Organism _____

Producer _____

Consumer _____

Decomposer _____

Food Chain _____

Food Web _____

2. In your own words write what the following phrase means:

“ORGANISMS INTERACT WITH OTHER ORGANISMS”. Give one example to illustrate your point.

3. Answer the following questions (3a–f) in complete intelligent answers.

a. Where do plants get their energy?

b. Where do animals get their energy?

c. How can a caterpillar change the relationship between a grasshopper and the plants it eats? (see figure 1.3, page 7 for help)

d. Name a non-living thing (an abiotic factor) that can effect living things and **give one example of how it happens**.

e. What role do decomposers play in a food web?

f. Answer the question under **Figure 1.7 on page 9.**

PART B: Concept Review:

1. Read, study and know pages 5 - 10. Answer questions **1 through 5 in the CONCEPT REVIEW on page 11.** Answer the questions in complete intelligent answers in the space provided. Number your answers.

***Sections 1.3 through 1.5:** Read pages 11 to 15.

PART A:

1. Define the following terms.

Photosynthesis _____

Matter _____

Chemical Energy _____

Atom _____

Molecule _____

2. Answer the question in the caption of **Figure 1.9 on page 11.**

3. In what ways do decomposers get energy from a cow? (**see p. 12**)

4. Answer the question in the caption of **Figure 1.13 on page 14.**

PART B: Concept Review

1. Read, study and know pages 11 - 15. Answer questions **1 through 5** in the **CONCEPT REVIEW on page 15**. Answer the questions in complete intelligent answers in the space provided. Number your answers.

***Sections 1.6 and 1.7:** Read pages 15 to 18.

PART A:

1. Define the following terms.

Biosphere _____

Observation _____

Hypothesis _____

Data _____

Experiment _____

Experimental group _____

Control _____

Deforestation _____

2. Answer the question in the caption of **Figure 1.15 on page 17**.

PART B:

1. Contrast **qualitative observation** and **quantitative observation**. Give an example of each type of observation.

2. Read, study and know pages **15 - 17**. Answer questions **1 through 5** in the **CONCEPT REVIEW on page 17**. Answer the questions in complete intelligent answers in the space provided. Number your answers.

3. Read *Pioneers* on page **18**. Answer the following questions in complete intelligent answers.

A. What was Dr. Lugo's firsts passion?

B. What **three areas** of study is Dr. Lugo involved in?

C. What type of biologist is Dr. Lugo?

A snail's pace is OK for me but not you.
Turn in your assignments on time. Take
good care of your snail friends. Never
forget your passion and commitment for
Biology. Peace and
love.

