Biology 12 NAME:

DeBou BLOCK:

**Chapter 1 Review: Inquiry into Life**

**TASK: USING PAGES 3- 17 IN YOUR TEXTBOOK, ANSWER THE FOLLOWING QUESTIONS**

1. List the 7 characteristics of living things.
2. Choose an organism of your choice and using the levels of organization from atoms to organisms, list the structural level and give an example that directly relates to the organism you picked.
3. Describe some ways that organisms can obtain food and materials.
4. What is a major difference between reproduction in unicellular and multicellular organisms?
5. Most organisms respond to stimuli for three purposes. What are they?
6. One of the major themes of biology 12 is the concept of homeostasis. Write a quick brainstorm of how all body systems contribute to homeostasis.
7. What is the difference between growth and development?
8. What underlying concept explains the unity of life and how do new variations in species arrive over time?

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1. Using your knowledge of taxonomy and pages A-4 to A-5 in the back of your textbook, write down the domain, kingdom, phylum, class and order name for monkeys.
2. How are scientific names written?

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1. The term biosphere includes the abiotic components of Earth. What features of the biosphere are abiotic?
2. Give an example of an ecosystem and the communities and populations that would live there.

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1. What is the difference between inductive and deductive reasoning?
2. What are 2 ways that hypotheses can be tested?
3. Why are controls so important to sound scientific experiments?
4. How are scientific theories different than scientific principles or laws?