

BIOLOGY – PROBLEM SET

CHAPTER 3: THE BIOSPHERE

CHAPTER 4: ECOSYSTEMS AND COMMUNITIES

CHAPTER 5: POPULATIONS

CHAPTER 6: HUMANS IN THE BIOSPHERE

IN ORDER TO RECEIVE FULL CREDIT FOR ANSWERS, YOU MUST DO ALL OF THE UNDERLINED WORDS IN EACH QUESTION.

1. Identify and describe two specific examples of **levels of organization** that relate to a topic in chapters 3-6. [2 points]
2. Identify, describe, and draw one example of a **lock-and-key fit** OR a **structure-function relationship** OR a **surface area to volume ratio** that relates to a topic in chapters 3-6. [3 points]
3. Identify and describe one example of **matter** OR **energy** that relates to a topic in chapters 3-6. [1 point]
4. Identify and describe one example of **evolution** that relates to a topic in chapters 3-6. [2 points]
5. Describe and interpret the meaning of the following chart: [2 points]

