

## ***BIOLOGY – PROBLEM SET***

### **CHAPTER 12: DNA**

### **CHAPTER 13: RNA & PROTEIN SYNTHESIS**

1. *Identify* and *describe* two specific examples of levels of organization that relate to a topic in chapter 12. [2 points]
2. *Identify, describe, and draw* one example of a structure-function relationship OR a lock-and-key fit that relates to a topic in chapter 12. [3 points]
3. *Identify, describe, and draw* one example of surface area to volume ratio that relates to a topic in chapter 12. [3 points]
4. *Identify* and *describe* one example of matter or energy that relates to a topic in chapter 12. [2 points]
5. *Identify* and *describe* one example of evolution that relates to a topic in chapter 12. [2 points]
6. A DNA sample has just been isolated. The following chart summarizes the scientist's findings. *Describe* the error made by the scientist. *Correct* the error. *Describe* and *interpret* the meaning of the **corrected** chart. [3 points]

guanine content	22%
adenine content	28%
cytosine content	28%
thymine content	22%