

**Worksheets: Defining Life / Levels of Organization / Scientific Method**

Reference: Mader 8<sup>th</sup> Edition **Chapter 1** (n) = page numbers in textbook

When completed retain these pages as review sheets for the respective subject matter.

Name \_\_\_\_\_ Date \_\_\_\_\_ Section \_\_\_\_\_

1. What are the common characteristics of life listed in this chapter? (pp. 2-5)
2. What evidence can you cite to show that living things are organized? (p. 2)
3. Why do living things require an outside source of materials and energy? (p. 4)
4. What is passed from generation to generation when organisms reproduce? What has to happen to the hereditary material (DNA) in order for evolution (adaptability) to occur? (p. 5)
5. How does evolution (adaptability) explain the unity and the diversity of life? (5)
6. What is an ecosystem, and why should human beings preserve ecosystems? (pp. 6, 7)
7. Explain the scientific name of an organism. What are the seven obligatory categories for classification of an organism? What four kingdoms are in the domain Eukarya? (p. 8)