Worksheet: Reviewing Concepts
CHAPTER 28: HUMAN SYSTEMS AND HOMEOSTASIS

Directions: Answer the following questions using your notes and textbook (Chapter 28 – pages 851-871).

1. A human being is composed of **five levels of organization**. Name each of the levels of organization and give an example of each one.

2. Your body has control systems that keep its internal conditions within the narrow ranges that support life. On a hot day, how do your body’s control center and sensors work together to help you stay cool?

3. Your body has many feedback loops to help maintain homeostasis. Explain the difference between a **negative feedback loop** and a **positive feedback loop**. Give examples of each.

4. What is **cell specialization**?
5. What are the **11 major organ systems** in the human body (list them)

1. 
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. 
10. 
11. 

6. Give **two examples** of what can happen to a person if the body’s homeostasis is **not** maintained.

7. Give **two examples** when the body’s homeostatic mechanisms may be **unable** to maintain stable conditions within your body.

8. What is **diabetes** and what **two hormones** are responsible for maintaining the proper levels of **glucose** within your body?

9. Explain how the failure of one organ can lead to the failure of other organs or of an entire organism?

10. A system to maintain homeostasis must have at least **four parts** that function together. Name these parts and briefly explain what each one does.