Review Sheet – Exam 4

**Directions:** Prepare a word-processed document containing answers to the following questions. You must turn this in before you take the Exam 4 (tentatively May 13), depending on course material. Late submissions will not be accepted for any reason. You can always turn it in early!

**Muscular system – choose any FOUR**
1. What are the three primary functions of muscle.
2. What causes rigor mortis?
3. List sources of energy that a muscle cell may use to make more ATP (both within and from outside the cell).
4. What influences the force generated by a muscle? What influences muscle strength and endurance?
5. Describe the three stages of the stimulus-twitch relationship.
6. Distinguish between isotonic and isometric contraction.

**Digestive System – answer all questions.**
1. List and describe the three functions of the stomach.
2. List and describe the four layers of the walls comprising the GI tract.
3. List the 5 basic processes of the digestive system and describe two types of motility that aid the digestive processes.
4. What substances are produced by the pancreas and why are they important?
5. What is lactose intolerance? What is diverticulosis? What is hepatitis?
7. What are the functions of gastrin, secretin, and CCK?