

**Name** the 5 regions of the digestive system that were discussed in lecture...**describe** the physical structure and function of each area.

2. **Name** 7 digestive enzymes including **where** they are produced, **what** they digest, and **where** that digestive activity occurs. Also **include** the substrates and products of the breakdown process.

3. **Describe** the processes of nutrient absorption including **what** is absorbed, **how** they are absorbed, and **where** they go after they are absorbed.

4. Sequentially **name** and **describe** all the structures through which air passes on its way from the nose to where gas exchange occurs. Also explain the **function** of each structure.

5. **Describe** and **explain** the mechanics of breathing including how a pneumothorax affects the process.

6. **Name** all the lung volumes and capacities, **describe** what each one represents, and give the normal values for each.

7. Sequentially **name** all the structures through which blood passes starting with the right atrium and then returning to the right atrium. For the systemic system just **name** the types of vessels not the specific name of each.

8. **Describe** the reasons a heart attack occurs and what steps can be taken to minimize the danger. Further **explain** the impact of a heart attack on the 4 heart signs shown in the study guide (pulse, blood pressure, heart sounds, ekg). In describing the various impacts on an EKG make sure to **explain** what each of the waves represents.

9. **Explain** why and how contractions of the heart muscle occurs.