Digestion and Urinary System Study Guide

**Digestive System**

1. \_\_\_\_\_\_\_\_\_\_ provides a passage for both food and air.
2. The first portion of the small intestine is the \_\_\_\_\_\_\_\_\_.
3. Explain the path of a cracker that we eat. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. List the 4 steps of the digestive system (IDAE)

1.

2.

3.

4.

1. \_\_\_\_\_\_\_\_\_\_\_\_ is where most of the products of digestion are absorbed into the circulatory system.
2. \_\_\_\_\_\_\_\_\_\_ produces bile.
3. \_\_\_\_\_\_\_\_\_ is the wavelike contractions of musfle that move food through the digestive system.
4. \_\_\_\_\_\_\_\_\_\_ is an enzyme that breaks down carbohydrates.
5. Fat is broken down by \_\_\_\_\_\_\_\_.
6. How are bolus and chyme related? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. What part of the small intestine is still digesting? \_\_\_\_\_\_\_\_\_\_\_\_\_
8. Label the digestive system

**Urinary System**

1. Urea is formed in the \_\_\_\_\_\_\_\_.
2. The \_\_\_\_\_\_\_\_\_\_ play a major role in maintaining homeostasis by removing urea, water, and other wastes from the blood.
3. \_\_\_\_\_\_\_\_\_\_ is the basic functional unit of the kidney.
4. Urine leaves the body through the \_\_\_\_\_\_\_\_\_.
5. Write the path for urine creation and elimination. (blood, bladder, ureter, kidney, urethra)
6. Label the urinary system

**Nutrition**

1. All \_\_\_\_\_\_\_\_\_\_ amino acids have to be taken in from the food that we eat.
2. In order to get all of their \_\_\_\_\_\_\_\_\_\_\_\_ amino acids through out the day, vegetarians have to combine different protein source or eat some eggs or milk products.
3. Vitamin \_\_\_\_\_ helps with blood clotting.
4. Can you have too many vitamins in your body?
5. Most of the body’s energy needs are supplied by dietary \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. \_\_\_\_\_\_\_\_\_\_\_\_ are organic compounds that help activate enzymes during chemical reactions.
7. \_\_\_\_\_\_\_\_\_\_\_\_\_ is the monomer that makes up proteins.
8. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the monomer that makes up carbohydrates.
9. If you do not burn all the calories that you consumed during the day, they get turned into \_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_.