Quiz 5: Digestion; Review of Blood, Heart and Blood Vessels

Anatomy and Physiology II Lab, Summer C 2014

1) **Amylase** is secreted from \_\_\_\_\_\_\_\_\_\_\_ glands, and it catalyzes the breakdown of \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

2) **Pepsin**  digests **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** in the \_\_\_\_\_\_\_\_\_\_\_\_.

3) In the small intestine, what occurs at the brush border cells (microvilli)?

4) Which of the following enzymes are produced in the pancreas?

 a. trypsin

 b. pepsin

 c. lipase

 d. trypsin and lipase

5) The smallest building blocks of carbohydrates (sugars) are \_\_\_\_\_\_\_\_\_\_\_\_\_\_**.**

6) The smallest building blocks of proteins are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

7) Starch is composed of repeating \_\_\_\_\_\_\_\_\_\_\_\_ molecules.

8) What characteristic of starch allows iodine to become embedded in its structure?

9) Within what region of a carbohydrate molecule does the copper in Benedict's solution react to turn red?

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10) What is the relationship of the heart sounds to the valves?

11) Pulmonary veins carry oxygen that is **OXYGENATED/DEOXYGENATED** (CHOOSE ONE).

12) Which ventricle has the thickest wall?

13) List the agglutinins (antibodies) present in the following blood types.

Type A \_\_\_\_\_ Type AB\_\_\_\_\_

Type B \_\_\_\_\_ Type O\_\_\_\_\_

 14) Where at the **agglutinogens (antigens)** located in the blood?

15) Of the **formed elements** listed below, which of them carries oxgen to tissues?

 a. erythrocytes

 b. leukocytes

 c. thrombocytes

16) Of the **formed elements** listed below, which of them participate in blood clotting?

 a. erythrocytes

 b. leukocytes

 c. thrombocytes