| NAME:  |  |
|--|--|
| DATE:  |  |
| KEY: Quiz 5: Digestion   | on, Review of Heart and Blood Vessels  |
| Anatomy and F  | Physiology II Lab, Summer C 2014   |
| 1) Amylase is secreted from g SALIVARY, CARBOHYDRATES                                      | glands, and it catalyzes the breakdown of  |
| 2) <b>Pepsin</b> digests in the  | PROTEINS, STOMACH  |
| -  | brush border cells (microvilli)? ENZYMATIC DEGRADATION<br>AND) LIPIDS; ADSORPTION OF NUTRIENTS; SECRETION OF |
| 4) Which of the following enzymes are proc   | luced in the pancreas?   |
| a. trypsin<br>b. pepsin<br>c. lipase<br><b>d. trypsin and lipase</b>                       |  |
| 5) The smallest building blocks of carbohyd  | rates (sugars) are MONOSACCHARIDES   |
| 6) The smallest building blocks of proteins a  | are AMINO ACIDS  |
| 7) Starch is composed of repeating   | molecules. GLUCOSE   |
| 8) What characteristic of starch allows iodir<br>component forms a coil in which iodine ca | ne to become embedded in its structure? <b>The amylase</b><br>n become embedded.                             |
| 9) Within what region of a carbohydrate more red? <b>FREE REDUCING ENDS</b>                | olecule does the copper in Benedict's solution react to turn   |
| 10) What is the relationship of the heart so<br>The sounds are caused by blood rushing th  |  |
| 11) Pulmonary veins carry blood that is <b>OX</b> Y  | YGENATED/DEOXYGENATED (CHOOSE ONE). OXYGENATED   |
| 12) Which ventricle has the thickest wall? $$ I  | _EFT   |
| 13) List the agglutinins (antibodies) present  | in the following blood types.  |
| Type Aanti-B   | Type AB <b>none</b>  |
| Type B <b>anti-A</b>   | Type O anti-A, anti-B  |
|  |  |

NAME:\_\_\_\_\_

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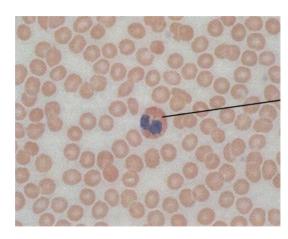
14) Where at the agglutinogens (antigens) located in the blood? On the membrane of red blood cells.

15) Of the formed elements listed below, which of them carries oxygen 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

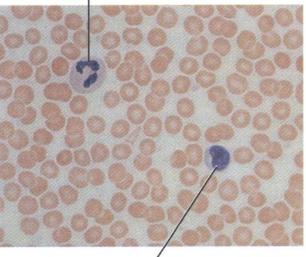


1. What subtype of cell is identified at left? **EOSINOPHIL** 

A.NEUTROPHIL

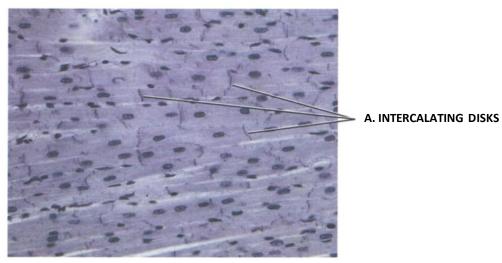
**2A, 2B**. Please label the two subtypes of cells indicated at right.

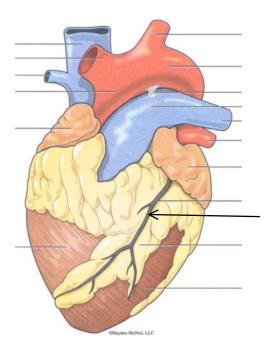
**2C.** In what way do the cells labeled "A", at right, interact with bacteria? **They phagocytose them.** 



**B. LYMPHOCYTE** 

**3A.** Please label the structures indicated in the histological image below.**3B.** In what organ can they be found? **HEART** 





4. What is the name of the structure at the end of the arrow at left?

## LEFT CORONARY ARTERY