

WEEK 11 EXTRA CREDIT ASSIGNMENT #9 (Cardiovascular & Lymph)

Obtain the CD Rom titled **Inside Story** from Reggie and load it into the computer. Put on your headphones. Select "Run the program as STUDENT," then click on OK. Click on "Start" to launch the program. Select "**The Family Scrapbook.**" Select "**Cardiovascular System.**" View the presentation and the animation on "**Cardiovascular System Components,**" "**Blood Clotting,**" "**Blood Flow,**" and "**Nutrient Exchange in the Capillary,**" then answer the following questions on **this handout.**

1. Blood consists of _____ % plasma.
2. Following an injury to a blood vessel, platelets adhere to the:


3. Platelets release _____ to attract more

4. Eventually a _____ forms.
5. Clotting factor causes _____ to stick together and seal the wound.

6. Arteries carry blood in which direction? _____

7. Veins carry blood in which direction? _____

8. Which blood cells carry oxygen? _____
9. Oxygen and nutrients _____ into body
tissue from capillaries.
10. _____ and _____
_____ diffuse into the capillaries.
11. Waste products are eventually eliminated through the _____
and _____ system.

Click on the return button  located in the lower right hand corner, then select **Lymphatic System.** View the presentation and animation on "**Lymphatics and Breast,**" and "**Lymph Nodes.**" Answer the following questions **on this handout.**

12. Swelling of any part of the body due to the collection of fluid in intercellular tissue spaces is called: _____
13. What is the secondary circulatory system? _____
14. This secondary circulatory system _____ and _____ escape fluids throughout the body.
15. The lymphatic system empties into the _____ system.
16. Most fluid leaving the body is reabsorbed by the _____ capillaries.
17. Which lymph vessel (afferent or efferent) carries fluid towards the lymph node to be filtered? _____
18. What causes the painful swelling of lymph nodes?

Click on “Close Book” to exit The Family Scrapbook. Click on “Quit” to exit the program.

PART II

Obtain the CD Rom titled **Interactive Atlas** from Reggie, and insert it into the computer. Click on “Agree to license.” Click on “Begin” to launch program.

Click on the word “Plate #.” Type **220** in the space with the blinking cursor. Click on **Enter** to see the **Atria, Ventricles, and Intraventricular Septum**. Click on “Labels” to remove labels. Click on print.

Click on the word “Plate #.” Type **225A** in the space with the blinking cursor. Click on **Enter** to see the **Prenatal Circulation**. Click on “Labels” to remove labels. Click on print.

Click on Exit (**Lower left hand corner**) to close the program.

**HAND-LABEL EACH COPY WITH THE ASSIGNED STRUCTURES
ACCORDING TO YOUR LAB MANUAL.**