

Circulation Continued

- 1. List the three ways fetal blood circulation differs from adult circulation?

- 2. Compare fetal and adult hemoglobin

Immunology
Part I: Blood

- 3. Complete the chart with the components of blood

Blood Plasma (55%)	
Component	Function

- 4. Describe the cellular components of blood and list their function

5. How does the process of blood clotting occur?

6. Describe how stem cells differentiate

7. Complete the chart with the function of each leukocyte

WBC	Function/ Structure

8. Describe carbon dioxide transport in the blood

9. Draw a graph with the general shapes of the two conditions:

- One curve showing hemoglobin dissociation at pH 7.4
- Second curve showing hemoglobin dissociation at acidic pH

10. What is happening in the graph you drew?

Part II: Lymphatic system

11. How does the lymphatic system get rid of excess fluid?

Part III: Types of Immunity

12. Describe the components of the two types of immunity

Innate Immunity	Acquired Immunity
Barrier defenses:	Humoral response:
Internal defenses:	Cell-mediated response:

13. Describe the inflammatory process

14. What is the complement system?

15. How does our body generate a fever?