4.0 Chapter 12 Circulatory System

Blood Chapter Notes

DO NOT WRITE ON THIS PAPER!!!!!!

The average adult’s blood volume: ____________________________

Function of Blood:

Blood composition:

Blood Plasma:

1. Water
2. Plasma proteins
   a. Fibrinogen
   b. Albumin
   c. Globulin
3. Nutrients
4. Electrolytes
5. Hormone, vitamins and enzymes
6. Metabolic waste products

Red Blood Cells:

Hemoglobin:

Function:

Erythropoiesis:

Hemolysis:

White Blood Cells:

Types of Leukocytes:

1. Granulocytes
   a. neutrophils
   b. eosinophils
   c. basophils

Agranulocytes:

   a. Lymphocytes (B-lymphocytes and T-lymphocytes)
b. Monocytes

Diapedesis:

Inflammation:

Thrombocytes (blood platelets)

Coagulation:

Clotting time:

Blood Types:

Rh factor:

Erythroblastosis:

Blood Norms: (Include the chart 12-5 in your notes)

Disorders of the Blood:

1. Anemia
2. Iron deficiency anemia
3. Pernicious anemia
4. Aplastic anemia
5. Sickle Cell anemia
6. Cooley's anemia
7. Polycythemia
8. Embolism
9. Thrombosis
10. Hematoma
11. Hemophilia
12. Thrombocytopenia
13. Leukemia
14. Septicemia