**Blood Unit Study Guide**

1. Blood Components **[Fig. 10.1]** *pp. 328-334*
   1. Plasma (55%)
   2. Cellular Elements (45%) **[Fig. 10.2 and Table 10.2]**
      1. Red Blood Cells (Erythrocytes)
      2. White Blood Cells (Leukocytes)
2. Neutrophils
3. Lymphocytes (B cells and T cells)
4. Monocytes
5. Eosinophils
6. Basophils
   * 1. Platelets
7. Blood Cell Formation (Hematopoiesis) **[Fig. 10.4]** *pp. 334-335*
   1. Hemocytoblasts (Blood stem cells)
   2. Erythropoietin (EPO)
   3. Colony stimulating factors (CSFs)
   4. Thrombopoietin (THPO)
8. Blood Clotting (Hemostasis) **[Fig. 10.6]** *pp. 335-337*
   1. Platelet plug formation
   2. Vasoconstriction
   3. Formation of a fibrin net
   4. Tissue repair
9. Blood Types and Transfusions **[Table 10.3]** *pp. 338-341*
   1. ABO blood types
   2. Rh positive and Rh negative blood types
   3. Blood typing **[Fig. 10.8]**
   4. The genetics of blood type inheritance
      1. A,B,O alleles: IA, IB, i

Rh alleles: R, r

* + 1. Punnett squares!