**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!