

Chapter 11

Blood

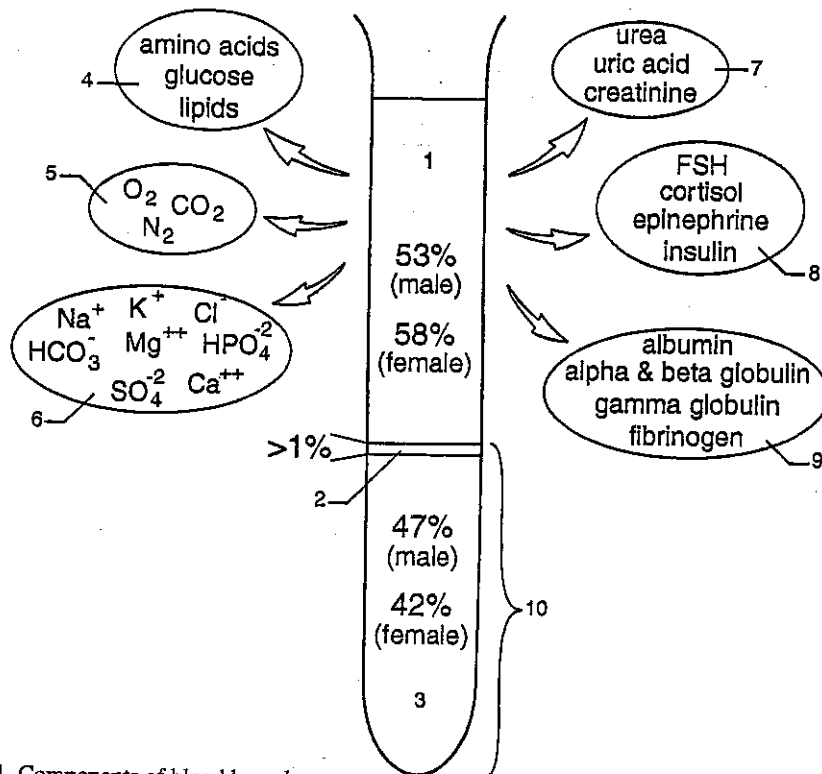
A. Components of Blood

Color and label:

1. ☐ plasma
2. ☐ white blood cells, platelets
3. ☐ red blood cells (red)
4. ☐ nutrients
5. ☐ gases
6. ☐ ions (electrolytes)
7. ☐ waste products
8. ☐ hormones
9. ☐ proteins

Label:

10. formed elements



Exercise 11.1:

Figure 11.1. Components of blood by volume.

1. The formed elements of blood include _____.
2. The average hematocrit (percentage of red blood cells) for males is _____ and for females is _____.
3. The liquid portion of blood is called _____.
4. Give examples of each of the components of plasma listed:

a. nutrients	_____	d. waste products	_____
b. gases	_____	e. hormones	_____
c. ions	_____	f. proteins	_____
5. Would you expect proteins found in plasma to be soluble or insoluble?
6. Match the major plasma proteins with their functions:

a. antibodies made by lymphocytes	_____
b. involved in clotting	_____
c. provides osmotic pressure for blood vessels to absorb water from tissues	_____
d. transport lipids and fat-soluble vitamins.	_____