Study Guide 11-2

CARDIOVASCULAR SYSTEM: BLOOD VESSELS

	tion of the diameter of this cavity is called (2), and enlargement of the vessel diameter is called (3). Blood is carried to the heart by (4) and away from the heart by (5). Capillar
	4.
	5.
	6.
	7 <i>.</i>
4. Briefly explain in in arteries.	the space provided why valves are present in veins but not
in arteries. 5. Name two events	occurring within the body that aid in venous return. Place
in arteries. 5. Name two events	

i !

described in each of the following descriptions. Insert the term or letter of the key choice in the answer blanks.

Key Choices		
A. Tunica intima	B. Tunica media	C. Tunica externa
	_ 1. Single thin layer of endothelium	
	2. Bulky middle coat, containing smooth muscle and elastin	
	_ 3. Provides a smooth surface to decrease resistance to blood flow	
	_ 4. The only tunic of capillaries	
	_ 5. Also called the adventitia	
	_ 6. The only tunic that plays an active role in blood pressure regulation	
	_ 7. Supporting, protective coat	
	Figure 11-6	
Α	В	C

17. Figures 11-7 and 11-8 on pp. 186 and 187 illustrate the location of the most important arteries and veins of the body. The veins are shown in Figure 11-7. Color the veins blue and then identify each vein provided with a leader line on the figure. The arteries are shown in Figure 11-8. Color them red and then identify those indicated by leader lines on the figure. NOTE: If desired, the vessels identified may be colored differently to aid you in their later identification.

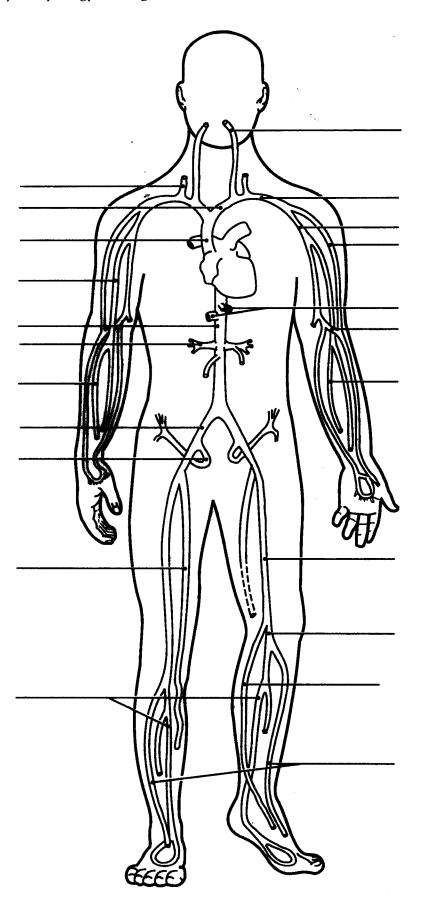


Figure 11–7 Veins

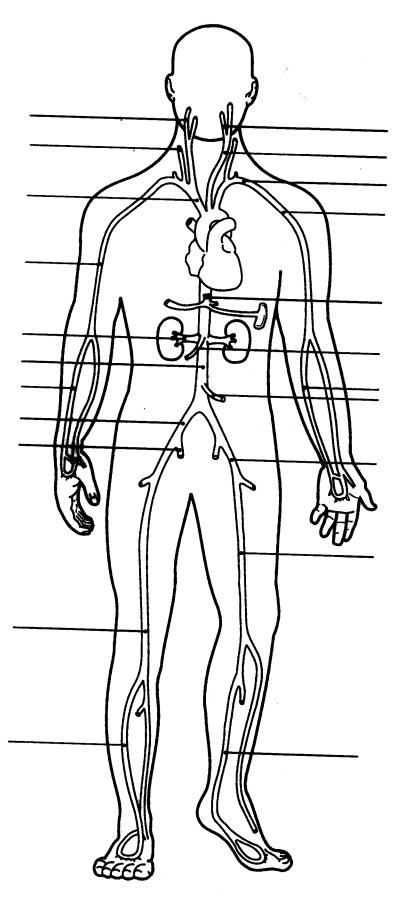


Figure 11-8 Arteries