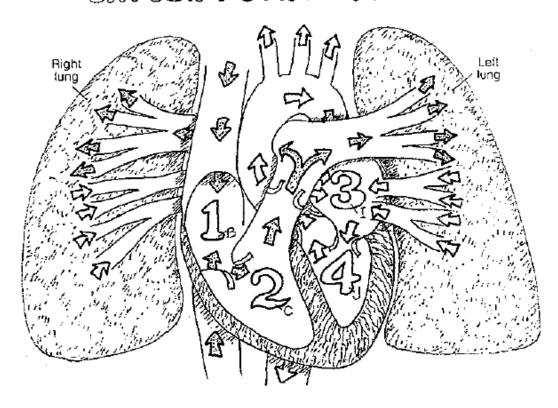


CIRCULATION THROUGH THE HEART

OXYGEM-RICH BLOOD #4₽> OXYGEM-POOR BLOOD A†•



The heart is called a double pump because it serves Trace the flow of blood through both the pulmonar tions by writing the missing terms in the answer bla	y and systemic circula-	
regions transporting O ₂ -poor blood blue and region blood red on Figure 11–1. Finally, identify the variou circulation shown in Figure 11–1 by labeling them u	s transporting O ₂ -rich	
From the right atrium through the tricuspid valve to through the(2) valve to the pulmonary trunk to the and left(3), to the capillary beds of the(4), to to the(6) of the heart through the(7) valve, to(8) through the(9) semilunar valve, to the(10) systemic arteries, to the(11) of the body tissues, to systemic veins, to the(12) and(13), which enter atrium of the heart.	the right the (5), to the o the	
1.		
		1 100000
4.		
6.		
7. 8.		
9.		
10.		
11.		
13.		
	2005	Figure 11-1

1	The contraction of the ventricles is referred to as(1), and the period of ventricular relaxation is called(2) The monosyllables describing heart sounds during the cardiac cycle are(3) The first heart sound is a result of closure of the(4) valves; closure of the(5) valves causes the second heart sound. The heart chambers that have just been filled when you hear the first heart sound are the(6), and the chambers that have just emptied are the(7) Immediately after the second heart sound, the(8) are filling with blood, and the(9) are empty. Abnormal heart sounds, or(10), usually indicate valve problems.
7.	9

describe these events. Insert your answers in the answer blanks.

The events of one complete heartbeat are referred to as the cardiac cycle. Complete the following statements that