Ch5: Cardiovascular System

Overview of Structures, Combining Forms, and Functions

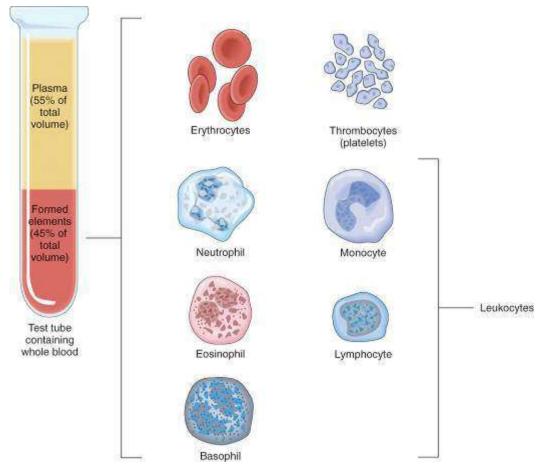
Blood

• Primary Functions

Related Combining Forms

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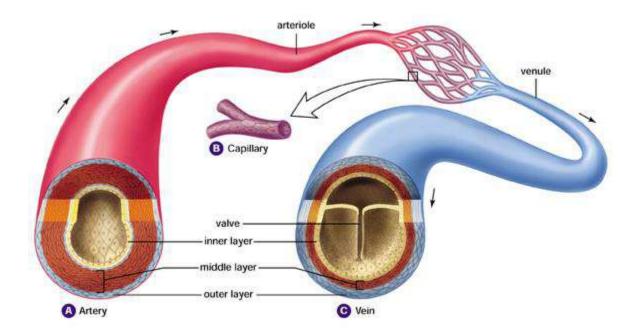
Major Fluid and Formed Components of Blood



Blood Vessels

Primary Function

Related Combining Forms



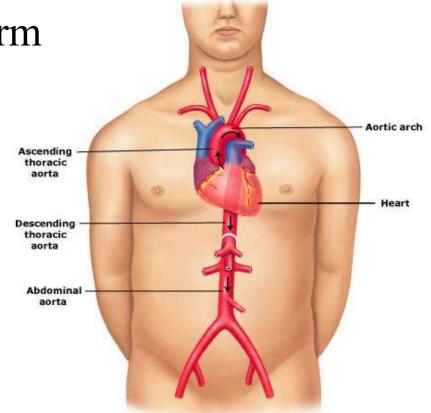
Arteries

Primary Function

Related Combining Form

Pulse

• Blood Pressure



Capillaries

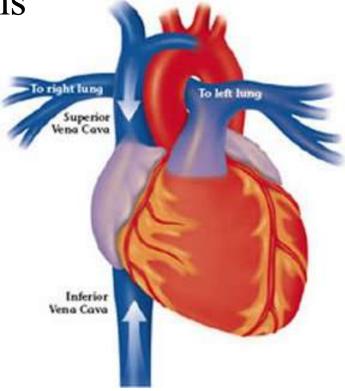
• Primary Function

Related Combining Form

Veins

• Primary Function

Related Combining Forms



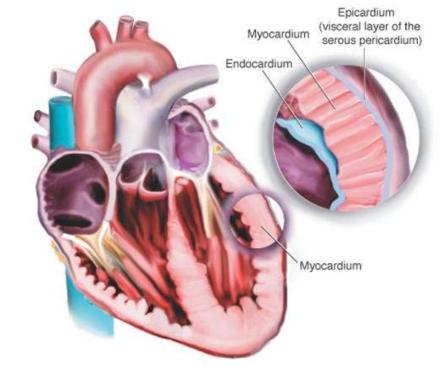
Heart

Primary Function

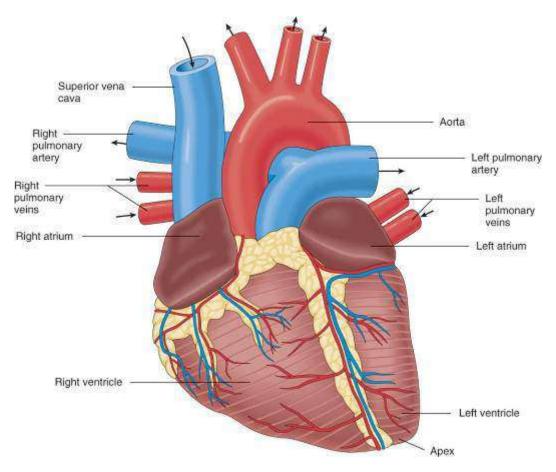
Related Combining Forms

Three layers

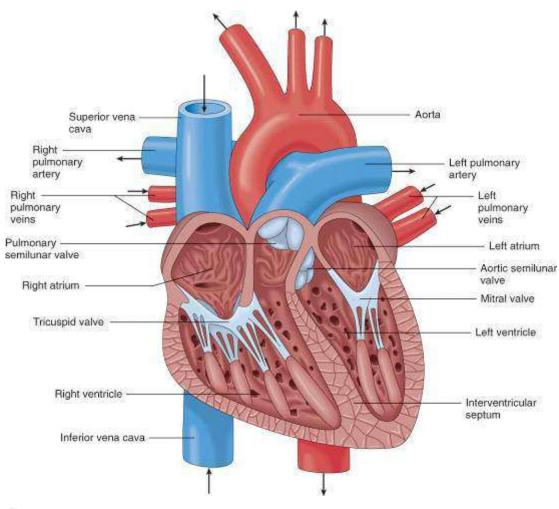




Anterior External View of the Heart

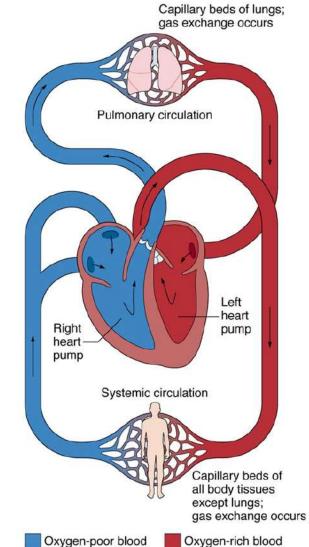


Anterior Cross Section of the Heart



Circulation

- Systemic
- Pulmonary





Circulation

Blood Flow through the Heart

If the blood is oxygenated, write your answers in red pen!
If the blood is deoxygenated, write your answers in blue pen!

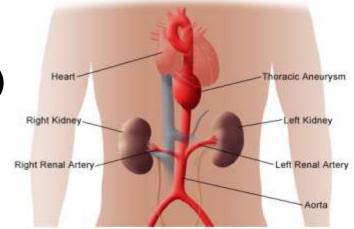
1.	The Right Atrium	receives blood from all tissues of the body, except the through the superior and inferior		
	lungs			
	Vena Cava .			
2.	Blood flows through the tri	cuspid valve into the right _	ventricle	·
3.	The right ventricle pumps the blood through the pulmonary semilunar valve and into the pulmonary artery which carries it to the lungs .			
4.	The left atrium	receives blood from the lu	ngs through the four	
	Pulmonary veins .			
5.	The blood flows out of the valve.	left atrium and into the left _	ventricle	through the mitra
6.	Blood flows out of the left the aorta	which carries the blood to		tic semilunar valve and into ly except the
	lungs		_	-

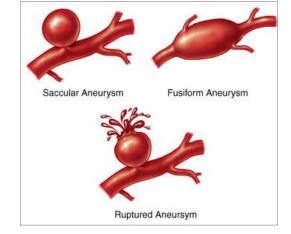


Deoxygenated blood is returned by the vena cavae to the right atrium and the cycle continues!

Disorders

- Angina
- Myocardial Infarction (MI)
- Ischemia
- Embolism
- Aneurysm
- Carditis Endo, myo, peri
- CHF

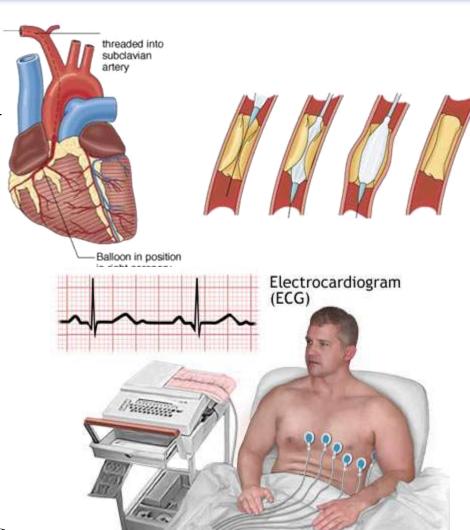


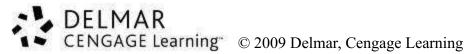




Procedures

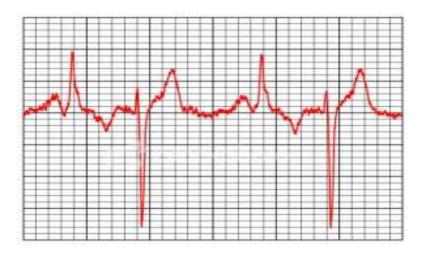
- CABG
- Balloon Angioplasty
- Pulse oximeter
- ECG
- Echocardiograph





Arrhythmias

- Dysrhythmia
- Palpitation
- Tachycardia
- Bradycardia
- Atrial Fibrillation (A-fib)
- Ventricular Fibrillation (V-fib)



Review: define the terms

- Myo-
- Angio-
- Phleb-
- Arterio-
- Hem-

- -itis
- -osis
- -sclerosis
- -stenosis