STRUCTURE OF THE HEART
Fibrous pericardium

Outermost layer
Parietal pericardium

inside lining of outer covering
Pericardial cavity

Space in between
Epicardium (visceral pericardium)

Directly covering the heart
Myocardium (cardiac muscle)
Intercalated disc*
Musculi pectinate
Papillary muscle

Muscle at the base of the chordae tendineae
Chordae tendineae

Heart strings
Trabeculae carneae

Fold of muscle in the ventricle
Moderator band
Endocardium

Inner lining of the heart
Ligamentum arteriosum
Right Atrium
Right auricle
Superior vena cava
Inferior vena cava
Coronary sinus
Interatrial septum
Tricuspid valve
Rt. ventricle
Interventricular septum
Pulmonary (semilunar) valve

Separates the right ventricle and the pulmonary artery
Pulmonary trunk
Pulmonary arteries (L & R)
Left atrium
Left auricle
Pulmonary veins (R & L) – posterior view
Mitral (bicuspid) valve
Left ventricle
Aortic (semilunar) Valve

Separates the left ventricle and the aorta

Located behind the Mitral valve
Systemic Circulation

Supplies oxygenated blood to all of the tissues located throughout the body, with the exception of the heart and lungs.
Cardiac circulation
Left coronary artery
(only seen if auricle is open)
Circumflex artery
Anterior interventricular artery
Right coronary artery
Marginal artery
Posterior interventricular artery
Great cardiac vein
Middle cardiac vein