

Internal Heart

A. Label the parts using the following terms.

1. Inferior vena cava 2. Tricuspid 3. Semilunar valve (pulmonary) 4. Atrio-ventricular (AV) node 5. Right atrium 6. Sinu-atrial (SA) node 7. Superior vena cava 8. Aorta 9. Right pulmonary artery 10. Left pulmonary artery 11. Pulmonary veins 12. Left atrium 13. Bicuspid (mitral) valve 14. Semilunar valves (aorta) 15. Bundle of His 16. Interventricular septum 17. Left ventricle 18. Chordae tendineae 19. Papillary muscles 20. Purkinje fibers 21. Right ventricle

B. Match the structures with their function.

A. Brings blood to heart from lower part of body B. Prevents backflow of blood from right ventricle C. Prevents backflow of blood from pulmonary trunk D. Node that depolarizes the ventricles E. Chamber that receives venous blood from the whole body F. Pacemaker G. Vein that brings blood to right atrium from head and arms H. Largest artery that supplies blood to whole body I. Vessel that takes venous blood to the right lung J. Vessel that takes venous blood to the left lung K. Veins that brings oxygenated blood to the left atrium L. Chamber that receives oxygenated blood from the lungs M. Valves that prevent backflow of blood into left atrium N. Valves that prevent backflow of blood into the left ventricle O. Two conducting fibers from AV node to right and left myocardium P. Muscular wall separating right and left ventricles Q. Chamber that pumps blood to the whole body R. Location of trabeculae carneae & moderator band S. Strings that hold the cuspid valves down T. Muscle attached to the chordae tendineae U. Fine fibers that spread the impulse to left and right myocardium.

C. Identify the above parts in the models

