

Heart and introduction to vessels anatomy PAL worksheet

Draw and label the heart first.

- 1) On your white board draw the layers of the heart using the following terms: Pericardium (Parietal and Visceral Layers), Pericardial sac/membrane, Myocardium, Endocardium. Then use three sentences to write a caption for the drawing that describes the role of each layer. Why is the myocardium asymmetrical?
- 2) Trace a red blood cell's pathway through the heart beginning with the right atrium. Be sure to include all valves and the pulmonary circuit. How does this differ in a developing fetus?
- 3) Illustrate an overview of the path of a red blood cell beginning with the left ventricle. Include pathways through major arteries of the head, upper limbs, torso, and lower legs.
- 4) Describe the anatomical landmarks associated with heart anatomy aloud to a partner (or draw them on a whiteboard) including the following terms: base, apex, auricles, anterior, posterior, intercostal space, cardiac notch.
- 5) Imagine you're a heart surgeon preparing for a surgery. Draw a step-by-step guide outlining the procedure you'll follow to repair a damaged heart valve. Label each step and explain its significance in the surgery. Include how each valve would look. Compare and contrast the structures associated with each. (Hint: Describe valves.)