

☐ The heart is a cone-shaped muscular organ located in the thoracic cavity, slightly left of the midline.

It is roughly the size of a closed fist and weighs about 250-350 grams in adults. The heart is enclosed in a sac called the pericardium, which helps protect and support it.

☐ The heart is divided into four chambers

- : two atria and two ventricles. The atria are the upper chambers, and they receive blood returning to the heart. The right atrium receives deoxygenated blood from the body through two large veins called the superior and inferior vena cava. The left atrium receives oxygenated blood from the lungs through four pulmonary veins.
- The ventricles are the lower chambers, and they pump blood out of the heart. The right ventricle pumps deoxygenated blood to the lungs for oxygenation, while the left ventricle pumps oxygenated blood to the rest of the body. The walls of the ventricles are thicker and more muscular than the atria, reflecting their role in pumping blood against higher pressures.
-