

The Heart and Blood Vessels

Organ that pumps blood around the body in a double circulatory system

The Heart

Right ventricle

pumps blood to the lungs where gas exchange takes place

Left ventricle

pumps blood around the rest of the body.

Blood Vessels

aorta ⊖ main artery, supplying oxygenated blood to the circulatory system

vena cava ⊖ large vein carrying deoxygenated blood into the heart

pulmonary artery ⊖ artery carrying blood from the right ventricle to the lungs for oxygenation

pulmonary vein ⊖ vein carrying oxygenated blood from the lungs to the left atrium

coronary arteries ⊖ arteries supplying blood to the heart

Heart Rate

⊖ controlled by a group of cells ⊖ in the right atrium

artificial pacemakers ⊖ used to correct irregularities in the heart rate

Blood vessels of the body

arteries

muscular-walled tubes transported blood that has been oxygenated from the heart to all parts of the body

veins

tubes carrying oxygen-depleted blood towards the heart

capillaries

fine branching blood vessels