Applied Anatomy and Physiology - CV System

Health

A state of complete _____, _____ and _____ well-being, and not merely the absence of disease and infirmity.

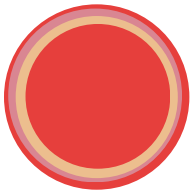
Fitness

The ability to meet the **demands** of the _____.

_____ Volume - The volume of blood pumped out by the heart ventricles in each contraction

_____ Output - The volume of blood pumped out by the heart ventricles per minute
= HR x SV

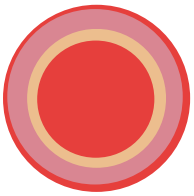
MAX HR = _____ - Age



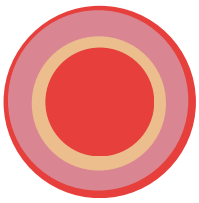
_____ artery

Venous Return - The flow of blood back to the heart, via the veins and specifically the vena cava

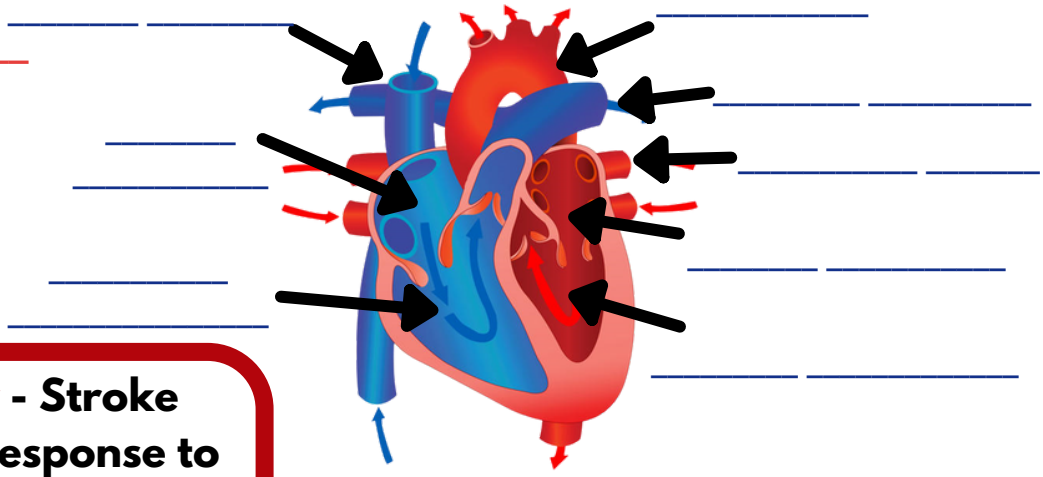
Increases in exercise



Normal artery



_____ artery



_____'s Law - Stroke volume increases in response to an increase in _____ _____.

Cardiac Conduction System

Sinoatrial Node (SAN)

↓

_____ Contraction

↓

Atrioventricular Node (AVN)

↓

Bundle of His

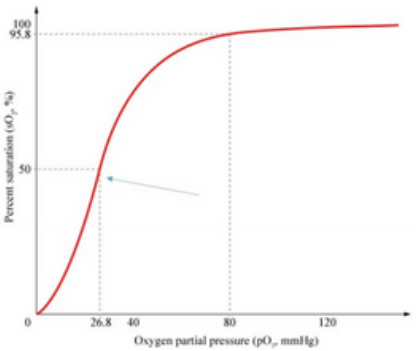
↓

_____ Fibres

↓

Ventricular Contraction

Oxyhaemoglobin Dissociation Curve



A-VO2 Diff - The _____ in the volume of oxygen between the arteries and veins.