Right Atrium Pulmonary Artery Pulmonary Vein Left Atrium Bicuspid Valve Left Ventricle Right Ventricle Septum

Regulation of Body Temperature

Vasodilation

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Blood vessels move closer to the surface of the skin, allowing more heat to be lost and the body will cool down

Dilate = Diameter

Vasoconstriction

Blood vessels become narrower, moving further away from the surface of the skin, therefore less heat is

Constrict = Diameter
Decreases



Veins



Carry blood away from the heart

Carry blood towards the

heart



Thick & muscular walls



Thin walls



Connect artries & veins Allows diffusion to take place



Very thin walls





PE COMPONENT 1 - CV SYSTEM





- Transport of oxygen, CO2 & nutrients
- Clotting of open wounds
- Regulation of body temperature

- Arteries carry blood at high pressure
- Veins carry blood at low pressure





Responsible for the circulation of the blood and transporting blood cells around the body
Also known as Erythrocytes

Average Blood Pressure

White Blood ressure Cells



Destroy pathogens, which can cause illness

Sometimes fights bad bacteria with chemicals called antibodies
Also known as leukocytes

This number refers to systolic blood pressure; The pressure of the blood as the heart contracts



Platelets



Clots blood following an injury, rushes to the site & swells to irregular shapes If it cannot cope will send a signal for the blood vessels to slow down the flow of blood



This number refers to diastolic blood pressure;
The pressure of the blood as the heart relaxes



A pale, straw-coloured liquid made up of 90% water
Contains water, salts, enzymes, antibodies and other proteins