



Artery

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Type of blood vessel
that carries blood
away from the heart

Vein

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Type of blood vessel
that carries blood
towards the heart

Capillary

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Type of blood vessel
that is one cell thick
and important for
gaseous exchange

Heart

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Pumps blood
around our
bodies





**Pulmonary
Artery**

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The blood vessel that carries blood from our heart to our lungs

Vena Cava

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The blood vessels that bring blood back to our heart from the rest of our body

**Pulmonary
Vein**

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The vessel that brings oxygenated blood from the lungs to the heart to be pumped around the body

Aorta

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The vessel that pumps oxygenated blood around the body from the heart





Septum

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The part of the heart that separates the left atrium and ventricle from the right atrium and ventricle

White blood cells

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Cells in the blood that fight infection

Right Ventricle

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Chamber of the heart that pumps blood to the lungs

Left Ventricle

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Chamber of the heart that pumps blood all around the body





Right Atrium

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Chamber of the heart that the vena cava brings deoxygenated blood to

Valves

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Present between the atrium and ventricle and are responsible for the clicking sounds of the heart

Red Blood Cells

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Carry oxygen in the blood

Plasma

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The liquid part of blood





Left Atrium

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Chamber of the heart that the pulmonary vein brings oxygenated blood to

Pulse

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The rhythm of the heartbeat felt in arteries near the skin's surface eg at the wrist

Circulatory system

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Transports nutrients, gases and hormones to cells and removes waste products

Circulatory system elements

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Blood, heart and blood vessels





Functions of
circulatory
system

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Transport,
temperature
regulation,
protection

Two parts of
blood

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Plasma and
blood cells

Platelets

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Function in
clotting blood

Antibodies

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Protective protein
molecules produced by
white blood cells to help
fight infection/disease





**Cardiac
muscle**

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Muscle which makes
up the heart - which
does not tire

**Coronary
arteries and
veins**

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Blood vessels which
function in supplying
the heart muscle
with blood

Heartbeat

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The contraction
and relaxation of
the heart

**Double
circulation**

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Two separate
circulatory pathways
- pulmonary and
systemic

