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Blood circulation in human body

→ *Double circulation*: Blood travels twice through the heart in one complete cycle of the body.

Direction of blood flow through human heart

→ *Pulmonary Circulation*: Blood moves from the heart to the lungs and back to the heart.

→ *Systemic Circulation*: Blood moves from the heart to rest of the body and back to the heart.

• Blood

Blood is connective tissue which is fluid in nature.

→ Solid components of blood (**Blood corpuscles**):

(i) RBC (Red blood cells): It carries O₂ and CO₂ and also contain Haemoglobin which impart red colour to the blood.

(ii) WBC (White blood cells): It provides body defence by engulfing the germs and produces antibodies.

(iii) Blood Platelets: It helps in blood clotting during injury.

→ Liquid components (**Plasma**): It is a yellow colour fluid which contain 90% water & 10% organic substances.