



SUBJECT: BIOLOGY
CHAPTER: 6
CHAPTER NAME: LIFE PROCESSE.
PERIOD-6

CHANGING YOUR TOMORROW

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TRANSPORTATION IN ANIMALS

- In human beings the Transportation of oxygen,carbondioxide ,digested food,hormones and waste products is carried out by a specialised transport system called circulatory system

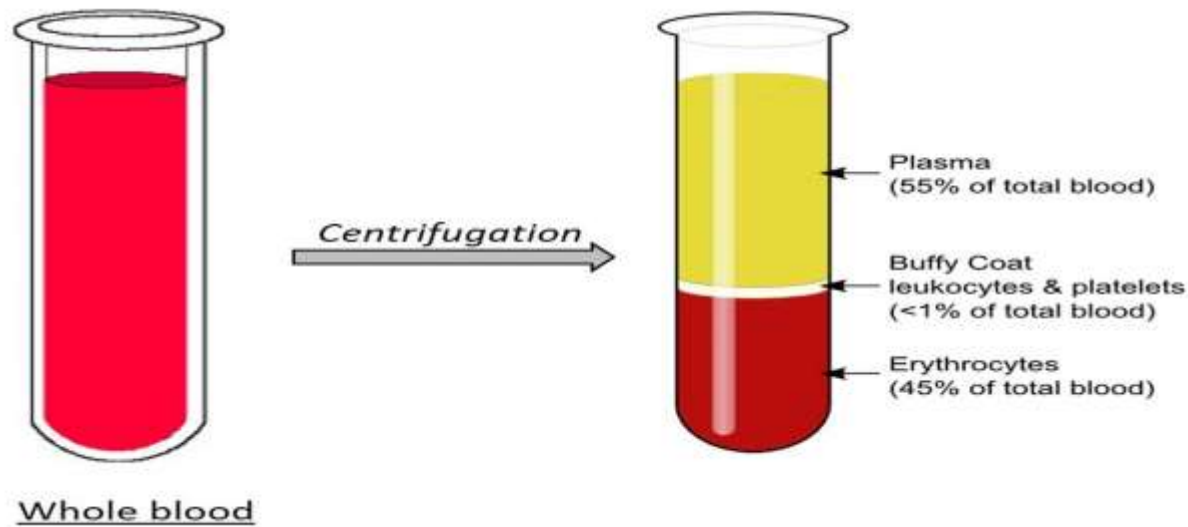
Circulatory system

- **Circulatory System:** The circulatory system is responsible for transport of various substances in human beings. It is composed of the heart, arteries, veins and blood capillaries. Blood plays the role of the carrier of substances.

- Blood: Blood is a connective tissue which plays the role of the carrier for various substances in the body. Blood is composed of plasma, blood cells and platelets.



- Blood Plasma: Blood plasma is a pale coloured liquid which is mostly composed of water. Blood plasma forms the matrix of blood.
- Blood Cells: There are two types of blood cells, viz. Red Blood Cells (RBCs) and White Blood Cells (WBCs).



RBC

- Red Blood Corpuscles (RBCs): These are of red colour because of the presence of haemoglobin which is a pigment. Haemoglobin readily combines with oxygen and carbon dioxide. The transport of oxygen happens through haemoglobin. Some part of carbon dioxide is also transported through haemoglobin.

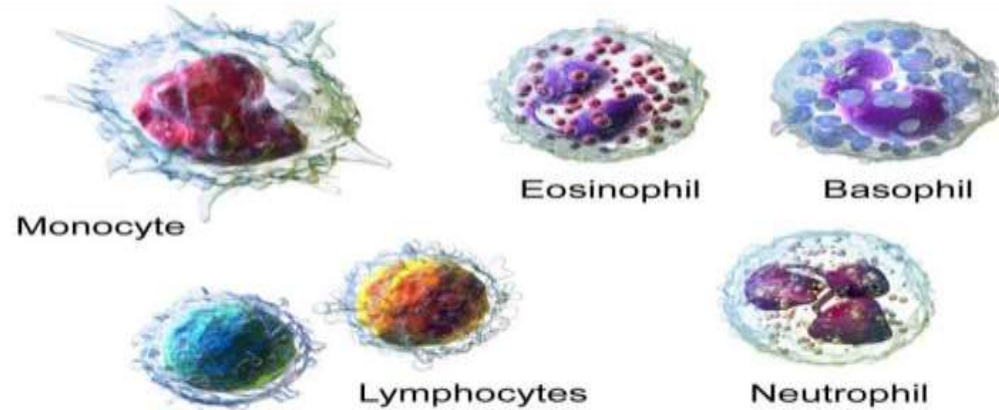


WBC and platelets

- White Blood Corpuscles (WBCs): These are of pale white colour. They play important role in the immunity.
- Platelets: Platelets are responsible for blood coagulation. Blood coagulation is a defense mechanism which prevents excess loss of blood; in case of an injury.

White Blood Cells

- Dr. Chintan



White Blood Cells

- <https://www.youtube.com/watch?v=VSVYgivfs9c>



- <https://www.youtube.com/watch?v=j9Hdl9w-K0M>



HOME ASSIGNMENTS

- In box Question - 1, Pg No- 110 and Exercise Question 10



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