

Difference between Blood & Lymph

Blood

- It is red in colour due to the presence of haemoglobin in red cells.
- It moves away from the heart & towards the heart.

Lymph

- It is colourless as red blood cells are absent.
- It moves in one direction i.e. from tissue to sub-circulation.
- It consists of plasma.

- It contains of plasma, RBC, WBC, & platelets
- Its plasma has more proteins, calcium & phosphorus
- Glucose concentration is low
- Flow of blood is fast

- Its plasma has less proteins, calcium & phosphorus.
- Glucose concentration is higher in lymph
- \oplus lymph flows very slowly.

1. Select the correct option
 A. Lymphatic capillaries join to form (b) lymph vessels

2. Select correct combination of statements for lymph

- (i) It helps to maintain fluid balance of the body.
- (ii) It is contained in lymphatic vessels
- (iii) Mammals it is derived from tissue fluid
- (iv) It contains less antibodies than plasma
- (v) It flows in both directions
- (vi) It helps to conserve proteins & remove bacteria

(b) iii, iv, vi

3. The lymphatic system is said to be the go-between or middle man between the blood & tissue. Explain

A It is called a middle man between the blood & tissue as it transports hormones, oxygen, food to the cells & brings CO_2 & wastes from cells to the blood, which is then transported to the venous system.