

## Worksheet

Q Select the correct option

i) Lymphatic capillaries join to form

Ans Lymph vessels.

ii) Select correct combination of statements for lymph

Ans It is contained in lymphatic vessels and lymphatic organs in mammals,

It is derived from tissue fluid,

It contains less antibodies than plasma and

It helps to conserve proteins and remove bacteria.

Q) The lymphatic system is said to be the go-between or middle man between blood and tissue. Explain.

Ans) The lymphatic system is the network of vessels through which the secretions from the lymph glands are drained directly to the blood stream from the tissues. The lymphatic system comprises of a huge network of lymphatic vessels which carry the fluid known as the lymph towards the heart.

Q9) What is the difference between lymph and blood?

Ans) Blood

Lymph

- It is red in colour due to the presence of haemoglobin in red cells,

- It is colourless as red blood cells are absent.

## Blood

- It moves away from the heart <sup>in arteries</sup> towards the heart.

- It ~~is~~ consists of plasma, RBC, WBC and platelets.

- Its plasma has <sup>more</sup> less protein, calcium and phosphorus.

- Glucose concentration is low.

- Flow of blood is fast.

## Lymph

- It moves in the direction i.e. from tissues to sub-clavians.

- It consists of plasma and WBC (mainly lymphocytes).

- Its plasma has less protein, calcium and phosphorus.

- Glucose concentration is higher in lymph.

- Lymph ~~flow~~ flows very slowly.