

Answer.

Lymphatic System Review

1. Explain what extracellular fluid is.

Fluid that leaves blood vessels and carries WBC, $O_2 + CO_2$ + waste.

2. What substances make up the extracellular fluid?

water (plasma), WBC, waste.

3. Explain why blood is red but lymph is a clear fluid.

Blood is red because of hemoglobin on RBC.

There is no hemoglobin (RBC) in lymph and it is made mainly of plasma which is clear.

4. Which substances found in lymph gets filtered by the lymph nodes?

White blood cells

5. How is the lymphatic system associated with our immune system?

lymph nodes = WBC \uparrow = fight off foreign antigens

6. Explain how the liquid gets reabsorbed by the circulatory system?

returns to circulatory system from subclavian veins.

7. How is lymph transported throughout the system?

in lymph vessels - muscle contraction

8. Why do your glands get swollen when you are sick?

producing WBC

like veins.

\uparrow extracellular fluid.

9. Why can you get many colds in one winter season?

all different so they need different antibodies