

Name _____

The Incredible Journey of Lymph: How Lymph Circulation Keeps You Healthy

Short Answer Key

1. Lymphatic vessels are similar to blood vessels in that they form a network throughout the body. However, they differ because lymphatic vessels transport lymph, have one-way valves to prevent backflow, and play a crucial role in waste removal and immune system support.
2. Lymph nodes filter and inspect lymph for invaders. They contain lymphocytes that scan for harmful substances, neutralize threats, and produce antibodies.
3. Lymphocytes in lymph nodes contribute to the body's defense by scanning lymph for invaders, neutralizing threats, and producing antibodies that aid in immune responses.
4. Lymph eventually rejoin the bloodstream near the heart, allowing it to deliver nutrients, oxygen, and white blood cells to body cells and support immune function.
5. Waste materials collected by lymph are filtered out and removed from the body through processes like urination and excretion. This helps maintain a balanced internal environment by eliminating harmful substances and waste.

