

Name _____

The Lymphatic System: Your Body's Defender Against Invaders

Open-Ended Response Answer Key

1. Answers may vary, but potential health issues could include an increased susceptibility to infections, difficulty in fighting off diseases, and a higher risk of illness. Overall well-being may be affected due to a compromised immune system.
2. In a scenario involving the development of immunity to a disease, the person may have been exposed to the disease before and successfully fought it off. Their immune memory allows them to respond quickly and effectively if they encounter the same disease in the future.
3. The immune system responds differently to bacterial and viral infections. For bacterial infections, it may involve the production of antibodies and the activation of immune cells to target and eliminate bacteria. For viral infections, it may require the destruction of infected cells and the production of antibodies to neutralize viruses.
4. An interesting fact is that the lymphatic system was first described by a Roman physician named Galen in the 2nd century AD. However, our understanding of its crucial role in immune function and disease defense has continued to evolve, leading to many medical advancements and discoveries.

