

Name \_\_\_\_\_

## The Marvelous Mystery of Lymph: Understanding Its Composition and Importance

### Open-Ended Response Answer Key

1. Answers may vary, but potential health issues could include swelling, tissue damage, and an increased risk of infection. Overall well-being may be affected due to the accumulation of waste products.
2. In a scenario involving malfunctioning lymphocytes, the person may have a compromised immune system, making them more susceptible to infections and illnesses. Their health could be negatively impacted due to the reduced ability to defend against invaders.
3. A balanced diet and regular physical activity can positively impact lymph composition and circulation. A healthy diet provides essential nutrients, while exercise helps stimulate lymphatic flow, aiding in waste removal and supporting overall health.
4. An interesting fact is that the lymphatic system was first described by a Roman physician named Galen in the 2nd century AD. However, its importance in modern medicine and our understanding of its role in health has continued to evolve and expand.

