

Name _____

The Mighty Guardians Inside Us: Exploring the Three Types of Immune Systems

Open-Ended Response Answer Key

1. Innate immunity is compared to a fortress because it acts as the body's first line of defense, protecting against invaders just like sturdy walls protect a fortress.
2. Adaptive immunity involves the production of specific antibodies tailored to fight off a particular threat, while passive immunity involves receiving pre-made antibodies from an external source.
3. Understanding the immune system can help prevent diseases by empowering individuals to make healthier choices, like practicing good hygiene and getting vaccinated, which can reduce the risk of infections.
4. Having different types of immune systems allows the body to have multiple layers of defense against various threats, providing comprehensive protection and ensuring the body can adapt to new challenges.

