GCSE The Immune System | Questions

1. Why is the immune system described as the second line of defence against pathogens? (1)

……

2. What is the name of the two types of white blood cells? (2)

i. ……

ii. ……

3. Which of the following statements best explains the process of phagocytosis? Circle the correct option. (1)

i. When a white blood cell extends its cell membrane around the pathogen and uses enzymes to digest it.

ii. When a white blood cell destroys pathogens through the production of antibodies.

iii. When a white blood cell destroys pathogens through the production of antigens.

4. Which of the following white blood cells are specific? Circle the correct option. (1)

i. Phagocytes. ii. Lymphocytes.

5. What are antitoxins? (1)

……

6. Which of the following statements is a characteristic of antibodies? Circle the correct option. (1)

i. Antibodies can remain in the blood for a long time.

ii. Antibodies are non-specific cells.

iii. Antibodies are also known as antigens.

7. What is the main difference in how lymphocytes and phagocytes respond to encountering a pathogen? (2)

……

……

© Shalom Education 2024

GCSE The Immune System | Answers

1. Because it combats pathogens that have passed the non-specific immune system (which is the first line of defence). **(1)**
2. Phagocytes. **(1)** Lymphocytes. **(1)**
3. i. **(1)**
4. ii. **(1)**
5. Substances (produced by some lymphocytes) that neutralise the effect of toxins (produced by certain pathogens). **(1)**
6. i. **(1)**
7. Phagocytes devour the pathogen. **(1)** Lymphocytes secrete antibodies (that bind to the pathogen's antigens). **(1)**

© Shalom Education 2024