Unit 13 - Week 12

Week 12 Assignment 12

The due date for submitting this assignment has passed.

1. What is the major problem with pathways in children? 1 point
   - Genetics or proteins can be mutated easily
   - Mutations or proteins are too rare or too complex
   - Post-translational modifications are not regulated or pathways are too complex
   - No, the answer is incorrect.

2. A pathway in a cell is like a ________________ circuit. 1 point
   - Pathway
   - Circuit
   - Network
   - Synapse
   - No, the answer is incorrect.

3. Why is the immune system so important? 1 point
   - Selection of immune cells
   - Selection of immune proteins
   - Selection of immune reactions
   - None of the above
   - No, the answer is incorrect.

4. What changes do you think may have the most significant impact on our understanding of the immune system over the next 10 years? 1 point
   - A new technology for tracking immune cells
   - A breakthrough in basic research on immune function
   - A new drug for treating immune-related diseases
   - No change
   - No, the answer is incorrect.

5. Mitochondrial DNA is _______. 1 point
   - Maternal
   - Paternal
   - Paternal and maternal
   - No, the answer is incorrect.

6. What are the four key factors that contribute to successful drug therapy? 1 point
   - Target specificity
   - Drug administration
   - Patient compliance
   - All of the above
   - No, the answer is incorrect.

7. What is the most common cancer diagnosis in children? 1 point
   - Leukemia
   - Brain tumors
   - Lung cancer
   - Breast cancer
   - No, the answer is incorrect.

8. Why is it important to understand the role of T-helper cells in the immune system? 1 point
   - To develop effective vaccines
   - To understand the role of the immune system in infections
   - To develop targeted therapies for chronic diseases
   - All of the above
   - No, the answer is incorrect.

9. The immune system is divided into two main parts: the __________ system and the __________ system. 1 point
   - Innate, immune
   - Adaptive, innate
   - Innate, adaptive
   - No, the answer is incorrect.

10. What do vaccines do to prevent the spread of infectious diseases? 1 point
    - They destroy the bacteria or virus in the body
    - They prevent the body from making antibodies
    - They stimulate the body’s immune system to produce antibodies
    - No, the answer is incorrect.

11. What is the primary role of neutrophils in the immune system? 1 point
    - Phagocytosis
    - Antibody production
    - Stimulation of B-cells
    - No, the answer is incorrect.

12. What are the two main types of immune responses? 1 point
    - Innate and adaptive
    - Natural and acquired
    - Innate and specific
    - No, the answer is incorrect.

13. What is the most common cause of death in children under the age of 5? 1 point
    - Infectious diseases
    - Malnutrition
    - Accidents
    - All of the above
    - No, the answer is incorrect.

14. What is the most common cause of death in infants? 1 point
    - Congenital defects
    - Sudden infant death syndrome
    - Prematurity
    - All of the above
    - No, the answer is incorrect.

15. What is the most common cause of death in children over the age of 5? 1 point
    - Infectious diseases
    - Cancer
    - Accidents
    - All of the above
    - No, the answer is incorrect.

The answer is incorrect.