

## Class Preparation

1. Label each example as either active or passive immunity:
  - a. Antibodies are passed from the mother to the fetus:  
\_\_\_\_\_passive\_\_\_\_\_
  - b. Antibodies are produced after exposure to a killed virus:  
\_\_\_\_\_active\_\_\_\_\_
  - c. Antibodies are produced after an infection:  
\_\_active\_\_\_\_\_
  - d. Antibodies are administered in the form of immune globulins:  
\_\_\_\_\_passive\_\_\_\_\_
2. A nurse is assessing a client for HIV. The nurse should identify which of the following are risk factors associated with this virus?
  - a. Perinatal exposure
  - b. Pregnancy
  - c. Monogamous partner
  - d. Blood transfusion
  - e. Occupational exposure
3. A nurse in an outpatient clinic is assessing a client who reports night sweats, fatigue, cough, nausea, diarrhea and has a temperature of 38.1° C (100.6° F). The client is concerned about the possibility of having HIV. Which actions should the nurse take? Select all that apply.
  - a. Perform a physical assessment
  - b. Determine when the manifestations began
  - c. Request a prescription for an antibiotic
  - d. Request a prescription for HIV testing
  - e. Obtain a sexual history
4. List three effects of aging on the immune system:
  - a. \_\_autoantibodies\_\_\_\_\_
  - b. \_\_\_\_\_decreased cell-mediated immunity\_\_\_\_\_
  - c. \_\_\_\_\_thymic shrinkage\_\_\_\_\_
5. Match the type of hypersensitivity reaction to the characteristics:

|                                  |                                                                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Type I: IgE-Mediated __A.__      | A. Caused by pollen, food, drugs, dust, immediate reaction, allergic rhinitis, atopic dermatitis, skin test shows wheal and flare |
| Type II: Cytotoxic C.____        | B. Occurs when T cells attack antigens or release cytokines, several days to occur, contact dermatitis                            |
| Type III: Immune- Complex __D.__ | C. Caused by ABO incompatibility blood transfusion reaction, occurs in minutes to hours, activates                                |
|                                  | D. Caused by fungal, viral, or bacterial antigens,                                                                                |

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| Type IV: Delayed Hypersensitivity B. ____ | takes hours to days to develop, rheumatoid arthritis, systemic lupus erythema complement system and leads to cell lysis and acute kidney injury |
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