A&P Review for Nursing students
The Immune System Worksheet 2

The worksheet below is adapted from

A. Fundamentals of Anatomy and Physiology (9th Ed) by Martinin at al
B. Human Anatomy and Physiology Lab Manual (9th Ed) by Marieb and Mitchell

Immune response: when an antigen triggers an immune response it usually activates both T cells and B cells. T cells are usually activated first, but only after phagocytes have been exposed to the antigen. Once activated, T cells attack the antigen and stimulate the activation of B cells. Activated B cells mature into cells that produce antibodies (Ab). Ab in the bloodstream then bind to and attack the antigen.

1. Name the 4 major types of T cells and their roles:

2. T cells are activated through exposure to an antigen, but this does not usually occur through direct interaction. Describe how antigens are usually presented to the T-cell.

3. How do T cells recognize antigen?

4. Provide a summary of the Pathways of T cell activation.

5. Provide a summary of B cell activation.

6. Complete the following table:

Class of antibody	Brief description of role

7. Briefly summarize the 7 methods by which antigens can be eliminated: