

IMMUNITY

RESTATE the questions in your answers.

1. Copy these terms...

PHYSIOLOGY: The study of the mechanical, physical and biochemical functions of living organisms.

IMMUNITY: The body's defense system against attack. There are a variety of ways to combat disease.

2. What are pathogens? (Chapter 32)
3. What is the difference between nonspecific and specific defenses?
4. What are the three lines of defense against pathogens and foreign substances?
5. What does lymph do?
6. Write a brief description of the function (What does it do?) for each immune cell listed below...
 - a. Leukocytes
 - b. Phagocytes
 - c. Macrophages
 - d. Lymphocytes
7. How do antibodies provide humoral immunity? What is an antigen?
8. How is cell-mediated immunity different from humoral immunity?
9. What is acquired immunity? Explain how a vaccination works. (*Look at p 782 & 788 for help answering this question*)
10. VIRUSES: (Chapter 14.1-14.2)
 - a. Define 'virus' (p 326).
 - b. Read the section on 'Viral Replication' (p 327). Summarize how viruses replicate (make copies of themselves) on your paper.
 - c. Find the page in Chapter 14 that shows the 4 viral shapes. Draw and label these shapes.
11. BACTERIA: (Chapter 14.4)
 - a. Describe the characteristics of monerans shown on p336.
 - b. Read the section on 'Reproduction' (p 337-8). Summarize how bacteria replicate.