

Biology: Fall Semester Final Review

Immunes System

1. Why do many scientists consider viruses nonliving? State evidence to support this.
2. Which is a part of the body's nonspecific immunity against foreign invaders?
3. What are the large molecules on the surface of pathogens that act as the labels that allow the immune system to determine if a cell is foreign in the body?
4. How does a vaccine work?
5. Why do some antibiotics work for a time then do not work against the same bacteria?
6. Name some organisms that possibly could be a pathogen.
7. Explain two functions of a phagocyte (macrophage) in the immune response
8. Typically people only get chicken pox once in their lives. Why do individuals not repeatedly fall victim to this illness?
9. Which is not true of the immune system?
 - antibodies may be produced even though the pathogens do not cause disease symptoms
 - it has a "memory"
 - it is inherited and it gives you resistance against only certain pathogens
 - antibodies are specific for certain antigens on the pathogens that caused their formation
10. Why is a person with AIDS susceptible to all kinds of infectious diseases . Explain in terms of the HIV virus.
11. How does immunity to a pathogen occur?
12. How can HIV be transmitted between people.