

Sample questions from old BIO 226N exams 2.

1. Bacterial chromosome replication is:
 - a. bidirectional
 - b. anabolic
 - c. semiconservative
 - d. all of the above

2. The two strands of chromosomal DNA are:
 - a. identical
 - b. complementary
 - c. messenger
 - d. none of the above

3. Translation is the process in which:
 - a. protein is synthesized
 - b. mRNA is required
 - c. tRNA is required
 - d. all of the above

4. Animal viruses which become integrated into the host chromosome are called:
 - a. pox viruses
 - b. vaccinia viruses
 - c. proviruses
 - d. all of the above

5. Animal viruses which contain RNA and which replicate through DNA intermediates are called:
 - a. retroviruses
 - b. smallpox viruses
 - c. lytic viruses
 - d. all of the above

6. Which of the following organisms could be treated with penicillin:
 - a. Rabies virus
 - b. *Mycoplasma*
 - c. Epstein Barr virus
 - d. none of the above

7. Diseases caused by *Chlamydia* include:
 - a. Rocky Mountain Spotted Fever
 - b. Pleuropneumonia
 - c. Psittacosis
 - d. none of the above

8. An opportunistic pathogen is:
 - a. *Streptococcus pyogenes*
 - b. *Candida albicans*
 - c. *Histoplasma capsulatum*
 - d. Hepatitis B virus