1. Why do doctors suggest that people get a flu vaccine each year?
   a. Viruses replicate more rapidly over time
   b. Viruses can mutate from year to year
   c. Vaccines are absorbed by the body after a year
   d. Vaccines get stronger over time

2. Which is the best day to help prevent the flu from becoming a pandemic?
   a. Getting a vaccination
   b. Taking antibiotics
   c. Eating fruits and vegetables
   d. Washing hands often

3. Malaria is a common disease in many countries. What type of pathogen is malaria?
   a. A virus
   b. A bacterium
   c. A fungus
   d. A protist

4. How can the rate of an infectious disease be drastically reduced?
   a. By taking medication daily
   b. By preventing transmission between people
   c. By wearing clean clothing daily
   d. By performing dental hygiene three times each day

5. Which of the following shapes are most often found in bacteria microbes?
   A. polyhedrons
   B. squares
   C. cones
   D. rods

6. Jill got a case of chicken pox when she was three years old. After she got it, Jill's sister came down with chicken pox. What is chicken pox?
   A. an immune disorder
   B. an infectious disease
   C. a noninfectious disease
   D. a type of egg

7. Which type of pathogen is responsible for causing the flu, chicken pox, and yellow fever?
   A. viruses
   B. parasites
   C. fungi
   D. bacteria

8. Malaria is an infectious disease that can be acquired when a mosquito carrying the protist *Plasmodium falciparum* bites a human. In the transmission of malaria, which of the following is the disease vector?
   A. the malaria illness
   B. the protist *Plasmodium falciparum*
   C. the person
   D. the mosquito

9. Influenza, strep throat, measles, and the common cold are all infectious diseases. Which of the following methods can be used to avoid getting infectious diseases?
   A. not washing fruit before eating it
   B. touching an infected keyboard
   C. sharing a drink only with family members
   D. washing your hands before eating

10. Sabrina has the flu. Her neighbor suggests she get a prescription for an antibiotic, but Sabrina's mother says that antibiotics would not help in this situation. Why?
    A. The flu is caused by a virus, and it cannot be treated with an antibiotic.
    B. The flu is caused by a fungus, and it must be treated with an antifungal medication.
    C. The flu is caused by a parasitic worm, and it must be treated with an anthelmintic medication.
    D. The flu is caused by a bacterium, and it cannot be treated with an antibiotic.