

1. Explain what public health is. Explain how Escherichia coli (E. coli), tetanus, AIDS, encephalitis, salmonellosis, Lyme disease, and coronavirus (COVID-19) are contracted. Then, pick any four of the following diseases and explain how each one is contracted and possibly prevented: gonorrhea, West Nile virus, botulism, influenza, syphilis, hepatitis, emphysema, meningitis, herpes, lead poisoning. For all 10 diseases, explain the type or form of the disease (viral, bacterial, environmental, toxin), any possible vectors for transmission, ways to help prevent exposure or the spread of infection, and available treatments.

2. Do the following:

a. Explain the meaning of immunization.

b. Name eight diseases against which a young child should be immunized, two diseases against which everyone should be reimmunized periodically, and one immunization everyone should receive annually.

4. Explain what a vector is and how insects and rodents can be controlled in your home, in your community, and at camp. Tell why this is important. In your discussion, explain which vectors can be easily controlled by individuals and which ones require long-term, collective action

6. Do the following: a. Describe the health dangers from air, water, and noise pollution. b. Describe health dangers from tobacco use and alcohol and drug abuse. c. Describe the health dangers from abusing illegal and prescription drugs.

8. Pick a profession in the public health sector that interests you. Find out the education, training, and experience required to work in this profession. Discuss what you learn with your counselor.