

Public Health Strategies to Prevent Disease [section 3.2 pages 102 – 109]

1. What is a vaccine?
2. What are the two benefits of the influenza vaccine?
3. What are the contributions of the three levels in government to develop public health strategies?
4. Name the prevention programs administered in Ontario.
5. What does the saying, “An ounce of prevention is worth a pound of cure” mean to you?
6. Define the term – Immunization.
7. What argument is there for not getting vaccinated? How are the rights of the individual compared to that of society?
8. What is the difference between HIV and AIDS?
9. What is important about the HPV?
10. What are some beneficial aspects of the following public health strategies:
 - a. Smoke Free Ontario
 - b. Healthy Lifestyles Outdoors
 - c. Cancer Screening
 - d. DNA Screening
11. What are the arguments against DNA screening?
12. How are personal choice, public programs and education connected in terms of public health strategies?

Social and Ethical Issues in Systems Biology [section 3.3 pages 112 – 118]

1. Why is there such a need for organs in Canada?
2. What organs can a human being donate while still alive?
3. Summarizing fig 3.30 pg 114, how does gene therapy work?
4. Define the following terms:
 - a. Cloning
 - b. Grafting
 - c. Reproductive cloning
 - d. Gene cloning
 - e. Therapeutic cloning
5. What is a transgenic organism?
6. What are four benefits to transgenic organisms?
7. What is the difference between artificial insemination and in vitro fertilization?