

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?