

Social and Ethical Issues in Biology

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1. In 2007 how many Canadians were waiting for organ transplants and how many died while waiting?
2. Why does Canada have such a low rate of organ donation?
3. What happens to a person that donates one kidney?
4. What is dialysis?

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5. What organs can be donated by a living person?
6. What are 3 solutions to the shortage of organ donation?

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7. What is gene therapy?
8. How is a virus used in gene therapy, also look at figure 3.30?

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9. What is cloning?
10. Describe the two types of cloning strategies in plants - vegetative propagation and grafting.
11. What are two concerns of cloning in animals?
12. Describe the three types of cloning in animals - reproductive cloning, gene cloning therapeutic cloning.

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13. What are transgenic organisms?

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14. Describe what happens in artificial insemination
15. Describes what happens during in vitro fertilization.

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16. What are four considerations we think about when using reproductive technology?