Unit 13 - Week 11: Biotechnology in Social Welfare

Assignments

Course Outline

Week 11: Biotechnology in Social Welfare

Assignment 11

Due on 2019-10-14, 23:59 IST.

Objectives:

1. Biotechnology is essential for solving various social problems.
2. From the perspective of biotechnology, explain how you can solve the problem of malnutrition in India.
3. Discuss the role of biotechnology in improving the quality of life.
4. Explain the concept of biotechnology and its applications in social welfare.
5. Explain the concept of genetic engineering and its applications in social welfare.

Assignment Details:

1. **Objective 1:** Biotechnology is essential for solving various social problems.
   - What? Explain the concept of biotechnology.
   - Where? Give an example of biotechnology application in social welfare.

2. **Objective 2:** From the perspective of biotechnology, explain how you can solve the problem of malnutrition in India.
   - What? Explain the concept of biotechnology.
   - Why? Explain the role of biotechnology in solving malnutrition.
   - How? Explain the technology or method used to solve malnutrition.

3. **Objective 3:** Discuss the role of biotechnology in improving the quality of life.
   - What? Explain the concept of biotechnology.
   - Why? Explain the importance of improving quality of life.

4. **Objective 4:** Explain the concept of biotechnology and its applications in social welfare.
   - What? Explain the concept of biotechnology.
   - Why? Explain the importance of biotechnology in social welfare.
   - How? Explain the applications of biotechnology in social welfare.

5. **Objective 5:** Explain the concept of genetic engineering and its applications in social welfare.
   - What? Explain the concept of genetic engineering.
   - Why? Explain the importance of genetic engineering in social welfare.
   - How? Explain the applications of genetic engineering in social welfare.

Assignment Instructions:

- **Objective 1:** Discuss the role of biotechnology in solving social problems.
- **Objective 2:** Explain how biotechnology can solve the problem of malnutrition in India.
- **Objective 3:** Discuss the role of biotechnology in improving the quality of life.
- **Objective 4:** Explain the concept of biotechnology and its applications in social welfare.
- **Objective 5:** Explain the concept of genetic engineering and its applications in social welfare.

Assignment Tips:

- **Objective 1:** Biotechnology can be used to produce crops that are resistant to pests and diseases, which can help in solving the problem of malnutrition.
- **Objective 2:** Genetic engineering can be used to produce crops that are high in protein and have a longer shelf life, which can help in solving the problem of malnutrition.
- **Objective 3:** Biotechnology can be used to produce crops that are rich in vitamins and minerals, which can help in improving the quality of life.
- **Objective 4:** Biotechnology can be used to produce crops that are resistant to drought and flood, which can help in solving the problem of malnutrition.
- **Objective 5:** Genetic engineering can be used to produce crops that are resistant to pests and diseases, which can help in solving the problem of malnutrition.

Assignment Format:

- **Objective 1:** Discuss the role of biotechnology in solving social problems.
- **Objective 2:** Explain how biotechnology can solve the problem of malnutrition in India.
- **Objective 3:** Discuss the role of biotechnology in improving the quality of life.
- **Objective 4:** Explain the concept of biotechnology and its applications in social welfare.
- **Objective 5:** Explain the concept of genetic engineering and its applications in social welfare.

Submission Guidelines:

- Submit your assignment by 2019-10-14, 23:59 IST.
- Your assignment should be submitted online through the course management system.
- Late submissions will not be accepted.

Additional Resources:

- The course textbook on biotechnology.
- Online resources on biotechnology and its applications.
- Guidelines on how to write assignments.