

Introduction to Circular Economy

Read the following questions and choose the correct answer:

1. What is the main goal of a circular economy?
 - a. To reduce waste and promote sustainability
 - b. To increase consumption and production
 - c. To decrease the use of natural resources
 - d. To promote the use of non-renewable energy sources

Answer: a) To reduce waste and promote sustainability

2. What is the difference between a linear and circular economy?
 - a. Linear economy is focused on sustainability, while circular economy is focused on consumption
 - b. Linear economy is based on a take-make-dispose approach, while circular economy is based on reduce-reuse-recycle
 - c. Linear economy is focused on renewable energy, while circular economy is focused on non-renewable energy
 - d. Linear economy is based on reducing waste, while circular economy is based on increasing waste

Answer: b) Linear economy is based on a take-make-dispose approach, while circular economy is based on reduce-reuse-recycle

Principles of Circular Economy

Read the following questions and choose the correct answer:

1. What are the core principles of a circular economy?

- a. Reduce, Reuse, Recycle, Repair, Refurbish
- b. Reduce, Reuse, Recycle, Restore, Recover
- c. Reduce, Reuse, Recycle, Renew, Restore
- d. Reduce, Reuse, Recycle, Repair, Replace

Answer: a) Reduce, Reuse, Recycle, Repair, Refurbish

2. How can individuals contribute to a circular economy?

- a. By reducing their consumption and waste
- b. By increasing their consumption and waste
- c. By using more non-renewable energy sources
- d. By decreasing the use of natural resources

Answer: a) By reducing their consumption and waste

Benefits of Circular Economy

Read the following questions and choose the correct answer:

1. What are the benefits of a circular economy for the environment?
 - a. Reduction of greenhouse gas emissions, conservation of natural resources, and minimization of waste
 - b. Increase of greenhouse gas emissions, depletion of natural resources, and maximization of waste
 - c. Reduction of pollution, increase of natural resources, and minimization of waste
 - d. Increase of pollution, depletion of natural resources, and maximization of waste

Answer: a) Reduction of greenhouse gas emissions, conservation of natural resources, and minimization of waste

2. How can a circular economy benefit society?
 - a. By creating jobs, stimulating innovation, and improving the quality of life
 - b. By reducing jobs, decreasing innovation, and decreasing the quality of life
 - c. By increasing poverty, decreasing education, and decreasing healthcare
 - d. By decreasing poverty, increasing education, and decreasing healthcare

Answer: a) By creating jobs, stimulating innovation, and improving the quality of life

Case Study

Read the following case study and answer the questions:

Company X is a clothing company that has implemented a circular economy approach. They design their clothes to be recyclable, use sustainable materials, and encourage customers to return old clothes to be recycled.

1. How is Company X contributing to a circular economy?

- a. By reducing waste and promoting sustainability
- b. By increasing waste and promoting consumption
- c. By using non-renewable energy sources
- d. By decreasing the use of natural resources

Answer: a) By reducing waste and promoting sustainability

2. What are the benefits of Company X's approach for the environment?

- a. Reduction of greenhouse gas emissions, conservation of natural resources, and minimization of waste
- b. Increase of greenhouse gas emissions, depletion of natural resources, and maximization of waste
- c. Reduction of pollution, increase of natural resources, and minimization of waste
- d. Increase of pollution, depletion of natural resources, and maximization of waste

Answer: a) Reduction of greenhouse gas emissions, conservation of natural resources, and minimization of waste

Design a Circular Product

Design a new product that embodies the principles of a circular economy. Consider the product's lifecycle, from design to end-of-life, and how it can be recycled, reused, or biodegradable.

Reflective Journal

Write a reflective journal entry on what you have learned about circular economy. How can you apply the principles of circular economy in your daily life? What challenges do you think you might face, and how can you overcome them?

Group Discussion

Discuss the following questions in groups:

1. What are the benefits and challenges of implementing a circular economy?
2. How can individuals contribute to a circular economy?
3. What role can businesses play in promoting a circular economy?

A large, empty rectangular box with a dashed border, intended for group discussion notes. The box is light orange and is positioned below the list of questions. To the left of the box is a solid orange vertical bar.

Creative Activity

Create a poster or infographic that illustrates the principles of circular economy and how they can be applied in daily life.

[Space for creative work]

Quiz

Read the following questions and choose the correct answer:

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 - b. To increase consumption and production
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 - d. To promote the use of non-renewable energy sources

Answer: a) To reduce waste and promote sustainability

2. What are the core principles of a circular economy?
 - a. Reduce, Reuse, Recycle, Repair, Refurbish
 - b. Reduce, Reuse, Recycle, Restore, Recover
 - c. Reduce, Reuse, Recycle, Renew, Restore
 - d. Reduce, Reuse, Recycle, Repair, Replace

Answer: a) Reduce, Reuse, Recycle, Repair, Refurbish

Conclusion

In conclusion, a circular economy is an economic system that aims to reduce waste and promote sustainability. The core principles of a circular economy are reduce, reuse, recycle, repair, and refurbish. Individuals, businesses, and governments can all contribute to a circular economy by adopting sustainable practices and promoting the use of renewable energy sources. By working together, we can create a more sustainable future for all.