



PLANIT
TEACHERS

Implementing Circular Economy Principles in Daily Life: A Practical Approach for 14-Year-Olds

Student Name: _____

Class: _____

Due Date: _____

What is Circular Economy?

Circular economy is an economic system that aims to reduce waste and the consumption of resources by promoting the reuse and recycling of products. It is a sustainable approach that can help reduce the environmental impact of human activities.

Importance of Circular Economy:

- Reduces waste and pollution
- Conserves natural resources
- Decreases greenhouse gas emissions
- Supports sustainable development

Questions:

1. What is the main goal of the circular economy?

2. What are some examples of recycled materials that can be used to create new products?

3. How can individuals contribute to reducing waste in their daily lives?

Imagine you are tasked with designing a recycling program for your school or community.

1. What types of materials would you collect for recycling?

2. How would you promote the recycling program to encourage participation?

3. What benefits do you think the recycling program would bring to your school or community?

Design a new product using recycled materials.

1. What materials would you use to create your product?

2. What would be the purpose of your product?

3. How would you market your product to encourage people to buy it?

Conduct a waste audit in your school or community by answering the following questions:

1. What types of waste are generated in your school or community?

2. How much waste is generated in a day/week/month?

3. What strategies would you propose to reduce waste in your school or community?

Design a public awareness campaign to promote the principles of circular economy.

1. What message would you want to convey through your campaign?

2. What methods would you use to reach your target audience?

3. How would you measure the effectiveness of your campaign?

Read the following case study and answer the questions:

"A local company has implemented a circular economy model by designing products that are recyclable and reusable. The company has reduced its waste by 50% and has seen a significant increase in customer loyalty."

1. What benefits do you think the company has gained from implementing a circular economy model?

2. How can individuals contribute to reducing waste in their daily lives, inspired by this case study?

3. What challenges do you think the company may have faced in implementing a circular economy model?

Imagine you are a product designer tasked with creating a new product that incorporates circular economy principles.

1. What product would you design?

2. What materials would you use to create your product?

3. How would you ensure that your product is recyclable and reusable?

Group Discussion

Discuss the following questions in groups:

1. What are some challenges associated with implementing circular economy principles in a community?
2. How can individuals contribute to reducing waste in their daily lives?
3. What benefits do you think a circular economy model can bring to a community?

Reflect on what you have learned about circular economy principles and answer the following questions:

1. What did you learn about circular economy principles?

2. How can you apply what you have learned in your daily life?

3. What challenges do you think you may face in implementing circular economy principles, and how can you overcome them?

Conclusion

In conclusion, implementing circular economy principles in daily life is crucial for a sustainable future.

By understanding and applying these principles, individuals can contribute to reducing waste, promoting sustainability, and creating a better future for all.