



Unit 1B

Circular Economy – Fundamentals.

Linear Vs Circular Economy

1 Introduction

Unit 1B provides overview to 2 kinds of economy: Linear and Circular. The Linear economy is unsustainable as it encourages intense resource use and high waste generation. The Circular on the other hand discourages intense resource use and waste but encourages reuse and upcycling of materials in order to prolong their usage. It highlights the need for organisations to transition to a more circular economy. It demonstrates through case studies, businesses that apply circular economy in their operations.

This unit is highly interactive as student is required to understand the concept of the two economies, appreciate discuss and their applications in businesses.

In this context, the level of knowledge, skills and competence your students will be expected to show will be as follows

Level	Knowledge	Skills	Competence
Level 4	Learners should be able to differentiate between the linear and the circular economy.	Cognitive and practical skills required to identify the elements in CE, and the reasons for the transition. To also identify the similarities in the given case studies.	Ability to transfer the CE knowledge and application into a personal scenario. By identifying businesses with opportunities for the application of the CE modules. Students should also be able to demonstrate the disadvantages of the linear economy, having understood the concept of the circular economy.

2 Learning Outcomes

The learning outcomes of Unit 1B are for students to:

1. Understand the two opposing concepts of the linear economy and the circular economy.
2. Identify the environmental impact of the linear economy and the reason
3. Understand the reasons for circular transitions
4. Be able to demonstrate the CE applicability in businesses



3 Lesson Plan

The following table can be used as a template for structuring a training programme at level 4

Method	Description	Suggested duration in minutes (total minutes)
Brainstorming session	Brainstorming where you as trainer write down definitions, notions and connotations to be used for future discussions and reference. You can continue the brainstorming session with the following questions if needed: <ul style="list-style-type: none"> - What is Linear Economy and disadvantages - What is circular economy? 	15
Presentation by trainer using PPT	Introduction	65
	The Circular economy	
	Discussion (the negatives outweighs the positive. Disadvantages being mainly resource intensive use and the associated high waste).	
	The Circular Economy	
	Discussion	
	Application of CE	
	Case Studies	
	Summary	
Discussion (Students should be allowed to give their opinion)		
Assessment	Quiz	15

4 Quiz Exercise

Q. No.i. Making food packaging from biodegradable materials is a linear economy.

Q. No.ii. True or False?

Ans: Its true, continual extraction is linear in nature, especially when the food packaging is not reused or repurpose.

Q. No.iii. What makes Biopak Business Circular?

Ans: Their ability to compost their waste and reintroduces it in the system as fertilizers

Q. No.iv. What do case study 1 and 2 have in common?

Ans: Resource efficiency, recycling, minimal waste