

CIRCULARITY IN THE BUILT ENVIRONMENT

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1) What are the 3 core principles of circularity?

- A) Reduce, Reuse, Recycle
- B) Design out chemicals, Choose low carbon products, Design green roofs
- C) Design Out Waste, Highest Value Format, Regenerate Nature

2) Finish the following sentence: A linear economy...

- A) Is efficient because it avoids unnecessary bends
- B) Is inefficient because it consumes raw materials and outputs them as waste
- C) Is actually good for the environment

3) According to Australia's 2020 National Waste Report, in 2018-19 Australia's Construction Industry...

- A) Produced 27m tonnes of waste of which 21m tonnes was recycled
- B) Produced 10m tonnes of waste of which 9.5m tonnes was recycled
- C) Produced 40m tonnes of waste of which 12m tonnes was recycled

4) In circular thinking products fall into two categories. These are:

- A) Fixed and Dynamic
- B) Virgin and Recycled
- C) Technical and Biological

5) What is a Circularity Score?

- A) A score given to materials based on how rounded their edges are.
- B) A quantitative score allocated to a building product which is determined by the average between its circular inflow and outflow percentages.
- C) A quantitative score assigned to a building product which is determined by a Life Cycle Analysis.

6) What is the third stage of Circular Economy Maturity?

- A) Isolated
- B) Scalable
- C) Systemic

Learning outcomes on the follow page....

Competency Codes: PC35 PROJECT INITIATION AND CONCEPTUAL DESIGN / PC39, PC45 DETAILED DESIGN AND CONSTRUCTION DOCUMENTATION

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At the end of this panel, attendees will be able to:

- Define the term 'Circularity' as it applies to the construction sector
- Identify and explain the three key principles of circularity
- Define the term 'Circularity Score' and be able to identify high performing products
- Demonstrate an ability to apply knowledge regarding circularity to architectural projects

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