

# System Design for Sustainability

## Week 2: Solutions

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1. How did DfS evolve over the decades?

Answer: (b)

2. The role of design in sustainability expanded in multiple ways over the decades.

Which of the following are the ways in which the role of design has expanded?

Check all correct answers.

Answer: (a), (b), (c), (d)

3. Which of the following is/are **not** examples of green design?

Answer: (c)

4. What are the key differences between green design and ecodesign?

Answer: (a)

5. Biomimicry design methodology can best be described by which of the following statements?

Answer: (c)

6. Why is emotionally durable design considered to be a sustainable design methodology? Check all correct answers.

Answer: (a), (c), (d)

7. Please refer to the given diagram of a conceptual sketch of Ecacia:

Solar-harvesting Acacia-like "tree". It is a structure that harvests solar energy while providing a public place to shelter during very hot weather. The design concept is based on a species of acacia tree in the Savannah. Which design methodology describes the approach to the design of Ecacia?

Answer: (e)