

# Industrial and Product Design Practice Test Questions and Answers

## 1. What does 'anodizing' do to an aluminum part?

- A) Adds a layer of paint
- B) Electrochemically thickens the natural oxide layer for protection
- C) Welds two aluminum pieces together
- D) Hardens the core of the metal

## 2. What is 'eco-efficiency' in industrial design?

- A) Designing products that use only eco-friendly colors
- B) Delivering more value with less environmental impact through resource optimization
- C) Measuring a factory's electricity bill
- D) Using only recycled materials regardless of performance

## 3. What does 'cradle to cradle' (C2C) design mean?

- A) Products are designed to last from birth to old age
- B) All materials in a product are designed to cycle safely back into biological or technical systems
- C) Products are made from infant-safe materials only
- D) Design starts over from scratch with each generation

## 4. What is a 'product stewardship' program in the US?

- A) A design award for innovative products
- B) A system where manufacturers take responsibility for end-of-life management of their products
- C) A supply chain auditing process
- D) A government-run product testing lab

**Answers: 1-B 2-B 3-B 4-B**

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