

## LEED Green Associate Exam Preparation 101 Questions & 101 Detailed Answers

10		In the Systems Thinking process, closed systems are synonymous with which of the following?
	A	cradle to grave performance
	B	Leverage points
	<b>C</b>	<b>cradle to cradle performance</b>
	D	Minimum Program Requirements (MPRs)
		Both open and closed systems are part of the <b>Systems Thinking</b> process, which is crucial for green buildings. A closed system is a circular loop where there is extraction, use and then reuse. A system that creates, then redefines itself after its useful life to serve another purpose. In a closed system, there is no waste—cradle to <b>cradle</b> . An open system is a linear progression where there is extraction, use and then disposal. A system that creates, serves its intended purpose, then perishes as waste after use—cradle to <b>grave</b> . Systems Thinking requires an understanding of how parts of a system function with the whole. For example, how does the selection of the building’s glazing system affect the performance of the building’s HVAC systems, which in turn affects power consumption.
		In systems thinking, a leverage point is a place in a system’s structure where a solution element can be applied. It’s a low leverage point if a small amount of change force causes a small change in system behavior. It’s a high leverage point if a small amount of change force causes a large change in system behavior.
		Integrative Strategies
		Integrative process > systems thinking
11		For Storage and Collection of Recyclables, a building recycling program must include which of these items? (Choose 3)
	<b>A</b>	<b>Plastic</b>
	B	Brick
	<b>C</b>	<b>Cardboard</b>
	<b>D</b>	<b>Metal</b>
	E	Hazardous materials
		While the MR category manages waste generated by <b>construction activities</b> , the category also manages waste generated by the <b>building occupants</b> . At the minimum, the materials to be recycled include: mixed paper; corrugated cardboard; glass; plastics; and metals. In addition, there must be a provision for the safe collection, storage, and disposal of: batteries; mercury-containing lamps; and electronic waste (e-waste). All recyclable materials must be easily accessible to waste haulers and occupants. Building materials, such as brick, are addressed by C&D waste mgt. and hazardous materials are never sent to the waste stream.
		Materials and Resources (MR)
		waste > operations and ongoing
12		What are two primary responsibilities of the Green Building Certification Institute (GBCI)? (Choose 2)
	A	Develops LEED Green Building Rating Systems
	<b>B</b>	<b>Develops and administers LEED professional credentialing</b>
	C	Provides and develops LEED based education and research projects
	<b>D</b>	<b>Administers the LEED certification program</b>
		GBCI’s LEED administration and verification responsibilities are performed as a <b>third-party</b> .
		LEED Process
		organization fundamentals > GBCI [GBCI: <a href="http://www.gbci.org/org-nav/about-gbci/about-gbci.aspx">http://www.gbci.org/org-nav/about-gbci/about-gbci.aspx</a> ]