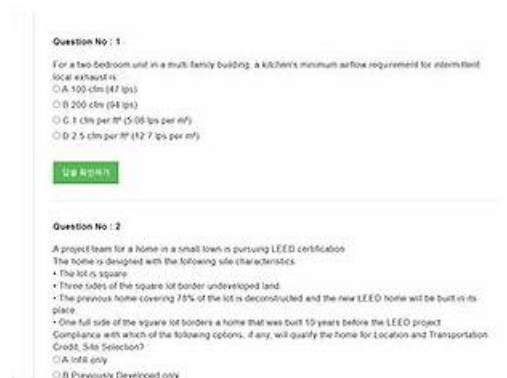


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USGBC LEED-AP-Homes Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> • Innovation: This section of the exam measures the skills of a Design Innovation Lead. It invites professionals to explore creative and exemplary strategies that surpass standard credits—such as pilot projects or pioneering sustainability solutions—demonstrating forward-thinking in residential design.
Topic 2	<ul style="list-style-type: none"> • Energy and Atmosphere: This section of the exam measures the skills of a Green Building Engineer. It includes evaluating the principles of energy efficiency, performance optimization, and emissions reduction in residential design, all critical to minimizing environmental impact while meeting occupant needs.
Topic 3	<ul style="list-style-type: none"> • Indoor Environmental Quality: This section of the exam measures the skills of an Architectural Designer. It addresses indoor air health, natural light, and ventilation requirements to ensure occupant comfort and durability, reflecting a home’s capacity to provide a healthy and lasting living environment.

>> Exam LEED-AP-Homes Training <<

2026 USGBC LEED-AP-Homes: High Hit-Rate Exam LEED AP Homes (Residential) Exam Training

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USGBC LEED AP Homes (Residential) Exam Sample Questions (Q83-Q88):

NEW QUESTION # 83

A gut rehab LEED for Homes project will maintain the building's existing exterior wall and floor framing. Under Materials and Resources Credit, Environmentally Preferable Products category, these components get credit for being:

- A. Recycled
- **B. Reclaimed**
- C. Restructured
- D. Refurbished

Answer: B

Explanation:

The LEED for Homes Rating System (v4) awards points for the Materials and Resources (MR) Credit:

Environmentally Preferable Products for using materials with sustainable attributes, such as reused or salvaged materials. In a gut rehab project, maintaining existing exterior wall and floor framing qualifies these components as reused materials.

According to the LEED Reference Guide for Homes Design and Construction (v4):

MR Credit: Environmentally Preferable Products (1-4 points)

Use products that meet one or more of the following criteria for at least 25%, 50%, or 90% (by cost) of the total materials:

* Reused or salvaged materials: Materials that are reclaimed from the same or another project, such as existing framing maintained in a gut rehab. In gut rehab projects, existing structural components (e.g., wall and floor framing) that are reused in place qualify as reclaimed materials. Source: LEED Reference Guide for Homes Design and Construction, v4, Materials and Resources Credit:

Environmentally Preferable Products, p. 160.

The LEED v4.1 Residential BD+C Crating system confirms:

MR Credit: Environmentally Preferable Products

Reclaimed materials, such as existing framing reused in gut rehab projects, contribute to the percentage of environmentally preferable products based on their cost.

Source: LEED v4.1 Residential BD+C, Credit Library, accessed via USGBC LEED Online.

The term reclaimed (Option B) is used in LEED to describe materials that are reused or salvaged, such as existing framing kept in place during a gut rehab. This reduces the demand for new materials and aligns with the credit's intent.

Why not the other options?

Reference: LEED Reference Guide for Homes Design and Construction, v4, MR Credit: Environmentally Preferable Products, p. 160.

C). Refurbished: Refurbished materials are restored or repaired for reuse (e.g., refinished doors). Framing maintained in place is not refurbished but simply reused, so this term does not apply. Reference: LEED Reference Guide for Homes Design and Construction, v4, MR Credit: Environmentally Preferable Products, p. 160.

D). Restructured: This term is not used in LEED and does not describe the reuse of existing framing.

Reference: LEED Reference Guide for Homes Design and Construction, v4, MR Credit: Environmentally Preferable Products, p. 160.

The LEED AP Homes Candidate Handbook emphasizes MR credits, including Environmentally Preferable Products, and references the LEED Reference Guide for Homes Design and Construction as a key resource.

The exam is based on LEED v4, ensuring the relevance of the term "reclaimed." References:

LEED Reference Guide for Homes Design and Construction, v4, USGBC, Materials and Resources Credit: Environmentally Preferable Products, p. 160.

LEED v4.1 Residential BD+C, USGBC LEED Credit Library, accessed via LEED Online (<https://www.usgbc.org/credits>).

LEED AP Homes Candidate Handbook, GBCI, October 2024, p. 12 (references study resources and exam scope based on LEED v4).

USGBC LEED for Homes Rating System (v4), available via USGBC website (<https://www.usgbc.org/resources/leed-homes-design-and-construction-v4>).

LEED v4.1 for Homes, USGBC, accessed via LEED Online, confirming reclaimed material criteria.

NEW QUESTION # 84

Envelope leakage is measured in air changes per hour (ACH) at what pressure differential?

- A. 25 pascals
- B. 100 pascals
- C. 75 pascals
- **D. 50 pascals**

Answer: D

Explanation:

The LEED for Homes Rating System (v4) requires blower door testing in the Energy and Atmosphere (EA) Credit: Air Infiltration to measure envelope leakage, expressed as air changes per hour (ACH) at a specific pressure differential.

According to the LEED Reference Guide for Homes Design and Construction (v4):

EA Credit: Air Infiltration (1-3 points)

Conduct a blower door test to measure envelope leakage in air changes per hour (ACH) at a pressure differential of 50 pascals (Pa). This standardizes the measurement of air tightness across projects.

Source: LEED Reference Guide for Homes Design and Construction, v4, Energy and Atmosphere Credit: Air Infiltration, p. 124.

The LEED v4.1 Residential BD+C Crating system confirms:

EA Credit: Air Infiltration

Envelope leakage is measured using a blower door test at 50 pascals, reported as ACH50, to assess the airtightness of the building envelope.

Source: LEED v4.1 Residential BD+C, Credit Library, accessed via USGBC LEED Online.

The correct answer is 50 pascals (Option B), as this is the standard pressure differential for measuring ACH in LEED for Homes.

Why not the other options?

Reference: LEED Reference Guide for Homes Design and Construction, v4, EA Credit: Air Infiltration, p. 124.

C). 75 pascals: Higher pressures are not used, as 50 pascals is the industry standard for consistency. Reference:

LEED Reference Guide for Homes Design and Construction, v4, EA Credit: Air Infiltration, p. 124.

D). 100 pascals: This is too high and not used in residential testing standards. Reference: LEED Reference Guide for Homes Design and Construction, v4, EA Credit: Air Infiltration, p. 124.

The LEED AP Homes Candidate Handbook emphasizes EA credits, including air infiltration testing, and references the LEED Reference Guide for Homes Design and Construction as a key resource. The exam is based on LEED v4, ensuring the relevance of the 50-pascal standard.

References:

LEED Reference Guide for Homes Design and Construction, v4, USGBC, Energy and Atmosphere Credit: Air Infiltration, p. 124.

LEED v4.1 Residential BD+C, USGBC LEED Credit Library, accessed via LEED Online (<https://www.usgbc.org/credits>).

LEED AP Homes Candidate Handbook, GBCI, October 2024, p. 12 (references study resources and exam scope based on LEED v4).

USGBC LEED for Homes Rating System (v4), available via USGBC website (<https://www.usgbc.org/resources/leed-homes-design-and-construction-v4>).

LEED v4.1 for Homes, USGBC, accessed via LEED Online, confirming ACH50 testing standard.

NEW QUESTION # 85

A LEED for Homes project is located in an area heavily infested with termites. A project could earn Sustainable Sites Credit, Nontoxic Pest Control for employing which of the following design strategies?

- A. Installing wood framing that is treated 3 ft. (0.9 m) above the foundation
- B. Installing landscaping at least 12 in. (0.3 m) away from all parts of the home
- C. Installing FSC-certified ipe wood for all decking and stairs
- **D. Installing a code-approved termite barrier**

Answer: D

Explanation:

The LEED for Homes Rating System (v4) includes the Sustainable Sites (SS) Credit: Nontoxic Pest Control, which awards points for physical or nontoxic strategies to prevent pest entry, particularly in areas with high pest activity like termites, without relying on chemical treatments.

According to the LEED Reference Guide for Homes Design and Construction (v4):

SS Credit: Nontoxic Pest Control (1 point)

Employ physical barriers to prevent pest entry, such as installing code-approved termite barriers (e.g., physical shields or mesh) around foundations to protect against termite infestation in a nontoxic manner.

Source: LEED Reference Guide for Homes Design and Construction, v4, Sustainable Sites Credit: Nontoxic Pest Control, p. 82.

The LEED v4.1 Residential BD+C Crating system confirms:

SS Credit: Nontoxic Pest Control

Installing a code-approved termite barrier is a recognized strategy to earn points by preventing termite access without chemical treatments, suitable for areas with heavy infestation.

Source: LEED v4.1 Residential BD+C, Credit Library, accessed via USGBC LEED Online.

The correct answer is installing a code-approved termite barrier (Option A), as this is a physical, nontoxic strategy explicitly

recognized for the credit in termite-prone areas.

Why not the other options?

Reference: LEED Reference Guide for Homes Design and Construction, v4, MR Credit: Environmentally Preferable Products, p. 160.

C). Installing wood framing that is treated 3 ft. (0.9 m) above the foundation: Chemical treatment (e.g., with borates) is not considered nontoxic under this credit. Reference: LEED Reference Guide for Homes Design and Construction, v4, SS Credit: Nontoxic Pest Control, p. 82.

D). Installing landscaping at least 12 in. (0.3 m) away from all parts of the home: While this may reduce pest access, it is not a primary strategy listed for this credit. Reference: LEED Reference Guide for Homes Design and Construction, v4, SS Credit: Nontoxic Pest Control, p. 82.

The LEED AP Homes Candidate Handbook emphasizes SS credits, including nontoxic pest control, and references the LEED Reference Guide for Homes Design and Construction as a key resource. The exam is based on LEED v4, ensuring the relevance of termite barriers.

References:

LEED Reference Guide for Homes Design and Construction, v4, USGBC, Sustainable Sites Credit:

Nontoxic Pest Control, p. 82.

LEED v4.1 Residential BD+C, USGBC LEED Credit Library, accessed via LEED Online (<https://www.usgbc.org/credits>).

LEED AP Homes Candidate Handbook, GBCI, October 2024, p. 12 (references study resources and exam scope based on LEED v4).

USGBC LEED for Homes Rating System (v4), available via USGBC website (<https://www.usgbc.org/resources/leed-homes-design-and-construction-v4>).

LEED v4.1 for Homes, USGBC, accessed via LEED Online, confirming pest control strategies.

NEW QUESTION # 86

How many Regional Priority Credits can a LEED for Homes v4 project pursue?

- A. Three
- B. Two
- **C. Four**
- D. One

Answer: C

Explanation:

The LEED for Homes Rating System (v4) includes Regional Priority (RP) Credits, which provide bonus points for addressing location-specific environmental priorities. A project can pursue multiple RP credits based on its geographic location.

According to the LEED Reference Guide for Homes Design and Construction (v4):

Regional Priority Credits (1-4 points)

A LEED for Homes v4 project can pursue up to four Regional Priority Credits, which are selected based on the project's location and the environmental priorities identified for that region. Each RP credit awards one bonus point for achieving a designated existing credit that addresses regional environmental concerns.

Source: LEED Reference Guide for Homes Design and Construction, v4, Regional Priority Credits, p. 190.

The LEED v4.1 Residential BD+C Crating system confirms:

Regional Priority Credits

Projects can earn up to four bonus points by achieving Regional Priority Credits, which are assigned based on the project's ZIP code or region to address local environmental priorities.

Source: LEED v4.1 Residential BD+C, Credit Library, accessed via USGBC LEED Online.

The correct answer is four (Option D), as a LEED for Homes v4 project can pursue up to four Regional Priority Credits.

Why not the other options?

* A. One: This underestimates the number of RP credits available.

* B. Two: This is also too low, as up to four credits can be pursued.

Reference: LEED Reference Guide for Homes Design and Construction, v4, Regional Priority Credits, p. 190.

The LEED AP Homes Candidate Handbook emphasizes RP credits as part of the certification process and references the LEED Reference Guide for Homes Design and Construction as a key resource. The exam is based on LEED v4, ensuring the relevance of the four-credit limit.

References:

LEED Reference Guide for Homes Design and Construction, v4, USGBC, Regional Priority Credits, p. 190.

LEED v4.1 Residential BD+C, USGBC LEED Credit Library, accessed via LEED Online (<https://www.usgbc.org/credits>).

usgbc.org/credits).

LEED AP Homes Candidate Handbook, GBCI, October 2024, p. 12 (references study resources and exam scope based on LEED v4).

USGBC LEED for Homes Rating System (v4), available via USGBC website (<https://www.usgbc.org/resources/leed-homes-design-and-construction-v4>).

LEED v4.1 for Homes, USGBC, accessed via LEED Online, confirming RP credit limits.

NEW QUESTION # 87

The Home Energy Rating System (HERS) Index, which measures the energy efficiency of a home, was developed by the:

- A. U.S. Green Building Council (USGBC)
- **B. Residential Energy Services Network (RESNET)**
- C. Environmental Protection Agency (EPA)
- D. Department of Energy (DOE)

Answer: B

Explanation:

The LEED for Homes Rating System (v4) integrates the Home Energy Rating System (HERS) Index in the Energy and Atmosphere (EA) Prerequisite: Minimum Energy Performance and EA Credit: Annual Energy Use to measure a home's energy efficiency.

According to the LEED Reference Guide for Homes Design and Construction (v4):

EA Prerequisite: Minimum Energy Performance

The Home Energy Rating System (HERS) Index, developed by the Residential Energy Services Network (RESNET), is used to assess a home's energy efficiency compared to a reference home. A lower HERS Index indicates better energy performance.

Source: LEED Reference Guide for Homes Design and Construction, v4, Energy and Atmosphere Prerequisite: Minimum Energy Performance, p. 112.

The LEED v4.1 Residential BD+C rating system confirms:

EA Prerequisite: Energy Performance

The HERS Index, created by RESNET, is the standard metric for energy efficiency in LEED for Homes, used to verify compliance with ENERGY STAR and LEED requirements.

Source: LEED v4.1 Residential BD+C, Credit Library, accessed via USGBC LEED Online.

The correct answer is Residential Energy Services Network (RESNET) (Option D), as RESNET developed the HERS Index.

Why not the other options?

Reference: LEED Reference Guide for Homes Design and Construction, v4, EA Prerequisite: Minimum Energy Performance, p. 112.

B). Environmental Protection Agency (EPA): The EPA oversees ENERGY STAR, which uses the HERS Index, but RESNET developed it. Reference: LEED Reference Guide for Homes Design and Construction, v4, EA Prerequisite: Minimum Energy Performance, p. 112.

C). U.S. Green Building Council (USGBC): The USGBC administers LEED, not the HERS Index.

Reference: LEED Reference Guide for Homes Design and Construction, v4, EA Prerequisite: Minimum Energy Performance, p. 112.

The LEED AP Homes Candidate Handbook emphasizes EA credits, including the HERS Index, and references the LEED Reference Guide for Homes Design and Construction as a key resource. The exam is based on LEED v4, ensuring the relevance of RESNET's role.

References:

LEED Reference Guide for Homes Design and Construction, v4, USGBC, Energy and Atmosphere Prerequisite: Minimum Energy Performance, p. 112.

LEED v4.1 Residential BD+C, USGBC LEED Credit Library, accessed via LEED Online (<https://www.usgbc.org/credits>).

LEED AP Homes Candidate Handbook, GBCI, October 2024, p. 12 (references study resources and exam scope based on LEED v4).

USGBC LEED for Homes Rating System (v4), available via USGBC website (<https://www.usgbc.org/resources/leed-homes-design-and-construction-v4>).

LEED v4.1 for Homes, USGBC, accessed via LEED Online, confirming HERS Index development.

NEW QUESTION # 88

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One of the advantages of taking the Prep4King LEED AP Homes (Residential) Exam (LEED-AP-Homes) practice exam (desktop and web-based) is that it helps applicants to focus on their weak areas. It also helps applicants to track their progress and make improvements. USGBC LEED-AP-Homes Practice Exams are particularly helpful in identifying areas where one needs more practice.

Standard LEED-AP-Homes Answers: <https://www.prep4king.com/LEED-AP-Homes-exam-prep-material.html>

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