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## LEED sample questions

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| <p><b>Terry</b><br/>Guest</p> <p>Joined:<br/>Location:<br/>Posts:<br/>Mana: </p> | <p>Posted: Fri Sep 3rd, 2004 10:59 am <a href="#">Quote</a> <a href="#">Reply</a></p> <p>Here is a list of questions recollected from the LEED exam which I passed last Saturday. The wording may not be exact and I am not too sure if I picked the right answer all the time. Whatever I couldn't remember I listed it as ---?</p> <p>Hope it helps!</p> <ol style="list-style-type: none"><li>1. What part in concrete is fly ash?<ol style="list-style-type: none"><li>1. Gravel</li><li>2. Lime</li><li>3. Cement</li><li>4. Water</li></ol></li><br/><li>1. To calculate the % of local materials in a project, you will need<ol style="list-style-type: none"><li>1. A calculator</li><li>2. A spreadsheet</li><li>3. A phonebook</li><li>4. A Sweet's Catalog File</li></ol></li><br/><li>1. To obtain a LEED Certification, the project team needs to successfully:<ol style="list-style-type: none"><li>1. Gather documentation for all 26 credits of the 69 points available</li><li>2. Gather documentation for all the prerequisites</li><li>3. Gather documentation for all the credits intents</li><li>4. Register with the USGBC</li></ol></li><br/><li>1. Economy cycle air-handlers in HVAC system<ol style="list-style-type: none"><li>1. Optimize Energy Performance</li><li>2. Thermal Comfort</li><li>3. Controllability of Systems</li><li>4. Eliminate HCFC and Halons</li></ol></li></ol> |

1. Which material has the lowest VOC?

1. Carpet
2. Paint
3. Brick
4. Vinyl

1. EPA has a list of recycled content for all these materials except:

1. ---?
2. Wood for 30%
3. Concrete masonry units for 50%
4. Acoustical ceiling lay-in tiles for 60%

1. All these will enhance thermal on glazing except low:

1. STC
2. U-value
3. Solar transmittance
4. Emissivity

1. Which one is not a sustainability guide?

1. Building Green
2. Green Clips
3. Green Spec
4. ---?

2. Which of these sustainability guidelines is not listed in the LEED Reference guide?

1. GSA Sustainable guidelines
2. Environmental Building News
3. EPA toxic materials list
4. AIA Guide to Sustainability

1. Which of these methods will not reduce heat island effect?

1. Planting anti-drought plants
2. Shading
3. High emissivity, high reflectance

1. Albedo is

1. ---?

2. ---?
3. Solar transmittance
4. Normal reflectance

1. Which one is true about a composting toilet?
  1. Solids can be used in gardens
  2. Human waste degraded via microbiological activity
  3. Requires less maintenance
  4. ---?

1. If a project team has a question on a project conforming to the intent, the first thing they should do is
  1. Review the Reference guide
  2. ---?
  3. ---?
  4. Find out if a CRI listed on the website <http://www.leedbuilding.org> answers their question.

1. A gas-fired chiller/boiler
  1. Green Power
  2. Renewable Energy
  3. Optimize Energy Performance
  4. Eliminate HCFC and Halons

1. The best way to ensure low VOC materials are used in a project is to
  1. Indicate them on architectural specifications
  2. Ensure green suppliers are used
  3. Educate all stakeholders on the project
  4. Educate the contractor

1. How many innovation design credits can you have?
  1. 2
  2. 4
  3. 8
  4. Unlimited

1. How do you solve the fenestration problem in a building?

1. Orient the building on an east-west axis
2. Use glazing with UV reflection
3. Increase the shading coefficient
4. Use low emissivity glazing

1. Which one of these does not have sustainable information?
  1. Harris Directory
  2. *AIA Sustainable Guidelines*
  3. Sweet's catalog
  4. *GSA Sustainable Guidelines*

1. All these are true of light shelf design except
  1. Create daylight glazing areas on windows
  2. Provide a shelf to place plants on top
  3. Are window head protrusions
  4. ---?

1. A drain/cooling pipe outside of a building's boundary should appear on:
  1. Civil drawings
  2. Plumbing drawings
  3. Contractor will not show it
  4. ---?

1. All of these are Urban Heat Island related problems except
  1. Smog and pollution
  2. Urban sprawl
  3. Severe weather
  4. Changes in temperature in rural areas and urban areas

1. What measures chiller efficiency?
  1. SEEV
  2. EER
  3. IPLV
  4. Kw/ton

1. To comply with Minimum Energy Performance, you need
  1. ASHRAE 90.1

2. ---?
3. ASHRAE 90.1 or Local code, whichever is most stringent
4. ---?

1. All of these have access to Credit Interpretation Rulings (CRI) except
  1. USGBC members
  2. Paid subscribers
  3. Project teams for one year
  4. Workshop participants for one year

1. Which one of these can increase the energy efficiency in an exterior wall?
  1. STC rating
  2. U factor
  3. R value
  4. ---?

1. Which one of these is an industry known standard recycled content material?
  1. Structural Steel
  2. Plastic laminate
  3. Roof membrane
  4. Vinyl cove base

1. How do you maximize insulation on a stud wall?
  1. Install exterior masonry veneer
  2. Increase the vapor barrier
  3. ---?
  4. Install a thermal break on studs

1. Which one of these statements is not true?
  1. ASHRAE 62 – ventilation for acceptable IAQ, ASHRAE 90.1 – energy standards for buildings, ASHRAE 55 – thermal and humidity, ASHRAE 129 – air change effectiveness
  2. ---?
  3. ASHRAE stands for American Society of Heating, Refreshing and Air conditioning Engineers
  4. ---?

1. Which one of these credits does not require baselining?
  1. Erosion and Sedimentation control
  2. Fundamental Building Commissioning
  3. Water Use Reduction
  4. Optimize Energy Performance
  
1. Can be easily controlled by the design team
  1. Erosion and sedimentation control
  2. Project site location
  3. Project proximity to mass transit
  4. ---?
  
1. Temperature differences in heat islands can be as high as
  1. 5°F
  2. 10°F
  3. 25°F
  4. 50°F
  
1. Which one is referenced in the LEED Reference guide
  1. EPA
  2. Rule 1168 South coast Air Quality Management District
  3. ---?
  4. ---?
  
1. Copier/fax machine rooms, interior ventilation, deck-to-deck partition isolation
  1. ---?
  2. ---?
  3. Indoor Chemical and Pollution Source Control
  4. ---?
  
1. In order to maintain IAQ, the contractor shall not do this during the construction phase
  1. Seal return on HVAC ducts
  2. Perform a Bake-out where all building controls are opened before occupancy
  3. Perform minimum IAQ testing before occupancy
  4. Perform a two-week flush-out before occupancy

1. Displacement ventilation is an example of

1. ---?
2. ---?
3. Ventilation Effectiveness
4. ---?

1. Glazing with low emissivity and UV reflection does not

1. ---?
2. Reduce R value
3. ---?
4. Create a glazing with warped vision

1. Which one of these roofing materials will have the most effective effects on keeping the building cool?

1. Red roofing
2. White EPDM
3. Black EPDM
4. Modified Bitumen

1. Which one of these is the most pervious pavement?

1. Asphalt
2. Concrete pavement
3. Gravel
4. Gravel with fines

1. What submittals to provide for Landscape and Exterior Design in reducing Heat Island Effect

1. ---?
2. ---?
3. Providing shading for 5 years
4. ---?

1. For a site to be considered a Brownfield, you need

1. A declaration from the owner
2. Regional government approval's
3. A declaration from the EPA office or from state agency
4. EPA office only

1. this is a template for next Q
2. this is a template for next Q

Answers:

1. c
1. b
2. d
3. a
4. c
5. c
6. c
7. d?
8. c?
9. d?
10. d?
11. b
12. d
13. a
14. a,b?
15. b
16. a
17. c
18. b
19. a
20. a
21. d
22. c
23. b
24. c
25. a
26. d
27. c
28. a
29. a
30. b
31. b
32. c
33. b
34. c
35. d
36. b
37. c
38. c
39. c