

LEED AP BD+C V4- Practice Exam #4
Power Jam Study – Lori Brown

Answers

1. A project has a total site area of 130 acres. The residential to nonresidential land use is 60:40. There are 780 dwelling units and nonresidential space (including all nonresidential buildings and nonresidential space in mixed-use buildings) within the radius totals 1,600,000 square feet. What is the residential density and the nonresidential density? [RG Pg 84]
 - A. ?
 - B. ?
 - C. Residential density of 10 DU (Dwelling Units) per acre and a nonresidential density of 0.7 FAR
 - D. ?

2. A 1000 ft² project with 10 ft ceilings requires how much total air for EQ Credit Indoor Air Quality Assessment Option 1. Flush-Out?
 - A. 3,500 CF
 - B. 3,500,000 CF
 - C. 14,000,000 CF
 - D. 14,0000,000 CF

3. A LEED for Building Design and Construction project has 20-tons of total waste. Determine the percent (%) diverted from landfill for the following material streams.
 - 8 tons recycled concrete and steel
 - 2 tons of soil sent to another job site
 - 3 tons construction waste 40% diverted
 - 6 tons of furniture donated to a local school
 - 1 ton of ceiling tiles and carpet returned to the supplier
 - A. 90%
 - B. 60%
 - C. 75%
 - D. 46%

4. Which LEED rating system must hold a mandatory initial integrative charrette to align the project team around the owner's goals for the project, including budget, schedule, functional programmatic requirements, scope, quality and performance expectations, and occupants' expectations?
 - A. LEED for Schools
 - B. LEED for Data Centers
 - C. LEED for Healthcare
 - D. LEED for Retail

5. Which of these is included in the Owner's Project Requirements (OPR)?
 - A. Overview of the building systems
 - B. Owner's overall energy efficiency and sustainability goals
 - C. Responsible parties and roles
 - D. Codes and standards specific to the project

6. The Owner's Project Requirements (OPR) is
 - A. Created during the predesign stage, and updated throughout the project
 - B. Created during the design stage, and not updated
 - C. Created during the design stage, and updated once before construction begins
 - D. Created during the predesign stage, and not updated

7. What documents are being developed during the initial design charrette by the project team? [Choose two]
- A. Owner's Project Requirements (OPR)
 - B. Basis of Design (BOD)
 - C. ?
 - D. ?
 - E. ?
8. Evapotranspiration (ET_o) is
- A. higher in cooler climates
 - B. amount of heat lost in BTU
 - C. amount of water lost in depth
 - D. higher during winter months
9. The use of Lead, Cadmium, Copper and Mercury should be limited because they are
- A. persistent bioaccumulative toxins (PBT)
 - B. ?
 - C. ?
 - D. ?
10. Where is the best location for using demountable partitions for a LEED for Building Design and Construction Healthcare project?
- A. Cafeterias, corridors, Interstitial space, ER waiting rooms
 - B. Cafeterias, corridors, private offices, administration desk
 - C. Cafeterias, corridors, Interstitial space, main lobby
 - D. Cafeterias, corridors, Interstitial space, private offices
11. A project is earning SS Credit: Light Pollution Reduction and is using LED lights to light the performers on stage in an outdoor theater. What should the LEED AP do?
- A. ?
 - B. ?
 - C. ?
 - D. Tell the owner that the LED light for theatrical lighting is exempt from the credit
12. Which of these strategies should be used in a site that is classified as an LZ1?
- A. ?
 - B. Don't light the landscape features
 - C. ?
 - D. ?
13. Strategies for managing rainwater
- A. ?
 - B. Cistern, impervious surfaces, bioswales, ?
 - C. ?
 - D. ?

14. The landscape engineer has designed a site to use 100% nonpotable water to irrigate the landscape areas on a project site. It has been determined that it is not sufficient to establish root growth. Which of these can be used to help achieve WE credit: Outdoor Water Use Reduction? [Choose three]
- A. ?
 - B. Drip system
 - C. Mulching around plants
 - D. ?
 - E. Irrigation system installed temporarily for two years
15. Which of these applies when a project pursues Innovation Credit: Innovation Option 2. Pilot?
- A. They must pay a Pilot Credit Fee
 - B. Register for the selected pilot credit through the Pilot Credit Library
 - C. ?
 - D. ?
16. A project team has achieved significant, measurable environmental performance using a strategy not addressed in the LEED green building rating system. What should they do?
- A. Apply for an Innovation Credit
 - B. ?
 - C. ?
 - D. ?
17. What is the minimum project experience requirement for the CXA?
- A. two projects with similar scope and ten years as a CXA
 - B. one project with similar scope
 - C. two projects with similar scope
 - D. five LEED projects at least one is LEED Silver
18. What additional tasks need to be completed for EA Credit: Enhanced Commissioning? [Choose two]
- A. Review contractor submittals
 - B. Provide hands-on training for staff
 - C. Develop a commissioning plan
 - D. ?
 - E. Review building operations within 10-months after substantial completion
19. A LEED for New Construction project design is replacing 9000 square foot vegetated roof with 4000 square feet of solar thermal panels. What credit would this have an effect on?
- A. SS Credit Heat Island Reduction, Option 1. Nonroof and Roof
 - B. SS Credit Rainwater Management
 - C. ?
 - D. ?
20. A LEED for Building Design and Construction project has a 30,000 ft² building footprint. The project is located on 100,000 ft² of previously disturbed land. Additional area includes a 35,000 ft² asphalt parking lot and 35,000 ft² of open space using native or adapted vegetation. How large must a vegetated roof surface be for the project to earn an exemplary performance point for SS Credit Site Development – Protect or Restore Habitat?
- A. 15,000 ft²
 - B. 35,000 ft²
 - C. 25,000 ft²
 - D. 55,000 ft²

21. A LEED for Building Design and Construction project is designing a building to have a total of 100 regular office spaces on three floors. There is a restroom and a conference room on each floor. How many lighting controls with at least three levels are required for EQ Credit Interior Lighting?
- A. 91
 - B. 90
 - C. 93
 - D. 100
22. Which of these systems uses process water? [Choose two]
- A. ?
 - B. Industrial processes
 - C. Building Systems
 - D. ?
23. Which of these fixtures are used to determine the WE Credit Indoor Water Use Reduction? [Choose three]
- A. Showerhead
 - B. ?
 - C. Kitchen faucet
 - D. ?
 - E. Lav faucet
24. For a healthcare building which of these would be considered to be a public faucet?
- A. Surgical scrub sinks
 - B. Exam or procedure room sinks for clinical use
 - C. Restroom sink in a waiting room
 - D. Medication room sinks
25. Which of these would be important for a team when selecting a building system?
- A. Initial cost exceeds the savings over the life of the product
 - B. Initial cost
 - C. ?
 - D. ?
26. An owner of a LEED for New Construction project asked the design team to move the main entrance to the building to the opposite side. Which of these credits would be most affected by this change?
- A. ?
 - B. ?
 - C. SS Credit Surrounding Density and Diverse Uses
 - D. ?
27. Which of these is considered diversion and could contribute to the MR Credit Construction Waste Management?
- A. Incineration
 - B. ?
 - C. ?
 - D. Wood-derived fuel

28. A project team wanting to earn the Credit MR Construction and Demolition Waste Management did not keep the waste haul receipts. The location where the waste was taken has an average recycling rate of 55%. What could the project do to earn the credit?
- A. ?
 - B. ?
 - C. Use the 55% average of the facility and two additional waste streams from the project
 - D. Use the 55% average of the facility and three additional waste streams from the project
29. A LEED for New Construction team member purchased a plastic lamp shade for \$1500 made from 10% recycled water bottles. The shade contains 50% postconsumer recycled content. What is the value for the shade for MR Credit Building Product Disclosure and Optimization—Sourcing of Raw Materials?
- A. \$75
 - B. \$150
 - C. ?
 - D. ?
30. A LEED project team is using the integrative process for the design and construction of a new science building. The design team is holding a design charette early in the planning stages of the design. Which of these could be helped by this?
- A. Reduce change orders during construction
 - B. ?
 - C. ?
 - D. ?
31. For LT Credit Sensitive Land Protection where can minor improvement be undertaken to enhance appreciation?
- A. Anywhere necessary for access
 - B. Within 1/2 -mi of the property boundary
 - C. Within wetlands and water body buffers
 - D. Along stream banks and lake shores
32. For LT Credit Sensitive Land Protection which of these is considered a minor improvement?
- A. Removal of trees less than 6 inches (150 millimeters) diameter at breast height
 - B. ?
 - C. ?
 - D. ?
33. For EA Credit Advanced Energy Metering which of these systems must be submitted
- A. Space Heating, Exterior Lighting, Service Water Heating
 - B. ?
 - C. ?
 - D. ?

<u>Exhibit</u>	
Interior Lighting	18%
Exterior Lighting	22%
Space Heating	26%
Space Cooling	19%
Receptacles	6%
Fans	8%
Service Water Heating	12%

34. A 1000 ft² project with 10 ft ceilings requires how much total air for EQ Credit Indoor Air Quality Assessment Option 1. Flush-Out?
- A. 3,500 CF
 - B. 3,500,000 CF
 - C. 14,000,000 CF
 - D. 14,0000,000 CF

35. A 20,000 square foot project is using the LEED for New Construction rating system. There is an 850 square foot out-building within the LEED project boundary. According to the Minimum Program Requirements, 2. Must Use Reasonable boundaries which of these would apply to the project?
- A. They must include the out-building
 - B. They must exclude the out-building
 - C. They may either include or exclude the out-building
 - D. They must register it as a separate LEED project
36. An aquatic center is building a new park that includes several buildings. Which of these cannot be included in the LEED certification?
- A. 8,000 square foot
 - B. 12,000 square foot
 - C. 30,000 square foot
 - D. 5,000 square foot
37. What is the intent of the location valuation factor?
- A. To incentivize the purchase of products that support the local economy
 - B. ?
 - C. ?
 - D. ?
38. Which of these might be an incentive that a LEED project could use?
- A. Reduced permitting fees
 - B. ?
 - C. ?
 - D. ?
39. What is the requirement for achieving exemplary performance for SS Credit Rainwater Management?
- A. Manage 100% of the total volume of runoff calculated for the 95th-percentile rainfall event
 - B. Manage 95% of the total volume of runoff calculated for the 85th-percentile rainfall event
 - C. Manage 100% of the total volume of runoff calculated for the 98th-percentile rainfall event
 - D. Manage 100% of rainwater that falls within the project boundary
40. Which of these is the definition of an infill?
- A. A site where at least 75% of the land area, exclusive of rights-of-way, within $\frac{3}{4}$ mile (1200 meters) of the project boundary is previously developed.
 - B. A site where at least 75% of the land area, exclusive of rights-of-way, within $\frac{1}{2}$ mile (800 meters) of the project boundary is previously developed.
 - C. A site that, prior to the project, consisted of at least 75% previously developed land.
 - D. A site that, prior to the project, consisted of at least 50% previously developed land.
41. What is the referenced standard for EQ Credit Thermal Comfort?
- A. ASHRAE 55-2010
 - B. ASHRAE 90.1 – 2010
 - C. ASHRAE 52.2 – 2010
 - D. ASHRAE 62.1 – 2010
42. What is the minimum filtration rating for EQ Credit Enhanced Indoor Air Quality Strategies, Option 1. Enhanced IAQ Strategies?
- A. 5
 - B. 8
 - C. 13
 - D. 20

43. A LEED for New Construction project is locating the building within a LEED for Neighborhood Development. In order to contribute to the project which of these would apply to the LEED ND project?
- A. ?
 - B. ?
 - C. ?
 - D. It must be certified
44. What tool could a LEED AP use during schematic design to generate a basic distribution of energy uses and evaluate energy load reduction strategies?
- A. SMACNA
 - B. ASHRAE
 - C. Simple Box Energy Model
 - D. Energy Star
45. The Integrative Process credit requires the project team to research and analysis which of these building systems to inform the owner's project requirements?
- A. Fire suppression and Energy
 - B. Lighting and Indoor Water
 - C. Irrigation and Energy
 - D. Energy and Water
46. Which of these is a cost-effective strategy for an existing building, if porcelain replacement proves cost-prohibitive to achieve water savings.
- A. Install sensors
 - B. Aerators
 - C. Install new flush valves or flow restrictors
 - D. Limit access
47. Which of these applies for a LEED for New Construction project that has a main building entrance and two entrances in an alley?
- A. No smoking signage must be posted within 10 feet of the main entrance
 - B. No smoking signage must be posted with 10 feet of the main entrance and the two doors in the alley
 - C. ?
 - D. ?
48. Where must carbon dioxide (CO₂) monitors be installed for the EQ Credit Enhanced Indoor Air Quality Strategies, Option 2. Additional Enhanced IAQ Strategies?
- A. ?
 - B. ?
 - C. Densely occupied spaces
 - D. ?
49. Which of these would occur with an increase in occupancy?
- A. Increase in ventilation rate
 - B. ?
 - C. ?
 - D. ?

50. Which of these are used for EA Credit Optimize Energy Efficiency, Option 1. Whole-Building Energy Simulation?
- A. ?
 - B. Equipment schedule, occupancy schedule, ventilation rate
 - C. ?
 - D. ?
51. WE Prerequisite Indoor Water Use Reduction requires projects with cooling towers and evaporative condensers to
- A. Perform an alkalinity test
 - B. have once-through cooling with potable water
 - C. Eliminate drift
 - D. Equip them with makeup water meters, conductivity controllers, and overflow alarms
52. A LEED for Building Design and Construction Hospitality project is located in an area that has a beautiful view to an outdoor lake. Designers utilized a large percentage of window to wall area to provide direct views to the outside. The project needs to consider one additional credit to achieve platinum level of certification. Which of these should the project team consider pursuing?
- A. EA Credit Optimize Energy Performance
 - B. EQ Credit Daylight
 - C. EA Credit Interior Lighting
 - D. Exemplary performance for EQ Credit Quality Views
53. What should a project do to help with achieving EQ Credit Construction Indoor Air Quality Management Plan?
- A. Store moisture absorptive material on a slab
 - B. Store material in the mechanical room
 - C. Keep the job site clean
 - D. Run the ventilation system with permanently installed filters
54. The owner of a new LEED project wants to design for a non-commuting building. Which of these credits would help with the owner's goal?
- A. ?
 - B. ?
 - C. ?
 - D. LT Credit Reduced Parking Footprint and LT Credit Access to Quality Transit
55. What needs to be signed to grant actual authority by the owner to allow a team member to register the project and accept the certification agreement?
- A. Agent's Authority Form
 - B. ?
 - C. ?
 - D. ?
56. What is a project team doing when they are using the project goals to identify the credits and options that should be attempted by the team?
- A. Developing the Scorecard
 - B. ?
 - C. ?
 - D. ?

57. What is the purpose of an Erosion and Sedimentation Control Plan?
- A. Protect receiving streams
 - B. ?
 - C. ?
 - D. ?
58. What information needs to be included for SS Credit Site Assessment?
- A. ?
 - B. ?
 - C. Topography, Hydrology, Human Use
 - D. ?
59. Which of these is the most important LEED Impact Category?
- A. ?
 - B. ?
 - C. ?
 - D. Climate Change
60. How many points are needed to earn LEED Certified?
- A. 30-39
 - B. 40-49
 - C. 50-59
 - D. 60-69
61. Which of these is the correct way to refer to a building that has achieved LEED certification?
- A. LEED-certified
 - B. LEEDS Certified
 - C. LEED for New Construction Certified
 - D. ?
62. A LEED project has received a technical review with comments indicating additional information is required. What should the project team do?
- A. Nothing
 - B. ?
 - C. submit new or revised documentation
 - D. ?
63. What LEED credential is awarded to an individual for having at least ten years of experience.....
- A. LEED Fellow
 - B. Green Rater
 - C. ?
 - D. ?
64. Besides humidity and air temperature, what else in the list is a consideration for human thermal comfort?
- A. Sunlight
 - B. Desk lamp
 - C. Diffuser
 - D. Air speed

65. Besides air temperature and air speed what other factor of human thermal comfort can buildings control?
- A. Metabolism
 - B. Clothing
 - C. Sunlight
 - D. Humidity
66. A LEED for Healthcare project can use which of these for EQ Prerequisite Minimum Energy Performance?
- A. Whole-Building Energy Simulation
 - B. ASHRAE
 - C. SMACNA
 - D. Advanced Buildings Core Performance
67. What tool can be used by a LEED project to track energy performance?
- A. EnergyStar
 - B. SMACNA
 - C. ?
 - D. ?
68. EA Building Load
69. What percentage of the earth's water is fresh water?
- A. 1%
 - B. 3%
 - C. 5%
 - D. 10%
70. What is the purpose of the WaterSense label for building fixtures and fittings?
- A. Guarantee that the Water Efficiency prerequisite will be achieved
 - B. Help design team to select fixtures that meet the EPA Act
 - C. Ensure that fixtures are water efficient and high performing
 - D. Helps the project team determine the total process water consumption for the building
71. A hospital project is proposing using alternate water sources for the cooling tower system. Which of the following would help the project team to earn WE Credit Cooling Tower Water Use?
- A. Meet the minimum number of cycles and use a minimum 10% recycled nonpotable water
 - B. Increase the level of treatment in make-up water if using 100% potable water
 - C. ?
 - D. ?
72. For WE Prerequisite Outdoor Water Use Reduction projects can
- A. Offset landscape irrigation using captured rainwater
 - B. Include or exclude food gardens
 - C. Exclude turf areas
 - D. Use all non-native plants
73. What is the LEED referenced standard for providing adequate ventilation to a building?
- A. SMACNA
 - B. ASHRAE 90.1
 - C. ASHRAE 62.1
 - D. ISO

74. Which of these would help a project to earn LT Credit Surrounding Density and Diverse Uses?
- A. 1/8-mi trail to an urban area
 - B. ?
 - C. ?
 - D. ?
75. Which of these would help a project to earn credit for Innovation, Option 1. Innovation?
- A. Recycling 100% of the plastic water bottles used by building occupants
 - B. Implement a program that provides signage and engages and educates building users
 - C. Reduce building indoor water use by 55%
 - D. Do not install a landscape irrigation system
76. Who signs the LEED credit template?
- A. LEED AP
 - B. Project Manager
 - C. Responsible Team Member
 - D. Contractor
77. Which of these is a renewable energy source?
- A. Tidal
 - B. ?
 - C. ?
 - D. ?
78. What does renewable electricity refer to?
- A. Eco-friendly electricity
 - B. Indirect greenhouse gas emissions associated with the generation of purchased electricity
 - C. Grid electricity
 - D. Energy from residential windmills
79. A LEED for Building Design and Construction Schools project is locating a new building on a site that has already had a Phase I ESA. Updates to the ESA must be made if the site's Phase 1 ESA is
- A. more than 14 days old
 - B. more than 30 days old
 - C. more than 180 days old
 - D. the Phase 1 ESA never expires
80. Besides responsible forest management what else does the Forest Stewardship Council (FSC) do?
- A. Limits timber production
 - B. Protect, enhance and restore biodiversity
 - C. Recycles planer shavings
 - D. Purchases old growth forests
81. An owner is retrofitting their building to increase energy efficiency. Which of these could help the project team to earn credit for EA Optimize Energy Efficiency and EQ Thermal Comfort?
- A. Install operable windows
 - B. ?
 - C. ?
 - D. ?

82. What LEED rating system is the project following if they are earning:
LT Sensitive Land Protection
SS Rainwater Management
EA Optimize Energy Efficiency
EA Renewable Energy Production
MR PBT Source Reduction- Lead, Cadmium, and Copper
- A. LEED for Schools
 - B. LEED for Core and Shell
 - C. LEED for Retail
 - D. LEED for Healthcare
83. Which of these documents could help a project with achieving EQ Thermal Comfort and EQ Lighting Control?
- A. Site, floor, and mechanical plans
 - B. Site, architectural, mechanical, and electrical plans
 - C. Architectural, mechanical, and electrical plans
 - D. ?
84. What building code adopted ASHRAE 189.1 as an equivalent code?
- A. ASHRAE 90.1
 - B. IGCC
 - C. California Title 24
 - D. SMACNA
85. Over time, if not mitigated building resource use
- A. Increases
 - B. Decreases
 - C. Stays about the same
 - D. Can't be determined
86. What type of system slows the passing of materials and resources through the system and links elements to form new relationships and functions?
- A. Open Flow
 - B. Closed Flow
 - C. Open System
 - D. Closed System
87. A project design includes a air-purifying façade entry. Where could the project earn a point?
- A. IN Credit Innovation
 - B. ?
 - C. ?
 - D. ?
88. Which of these would be the best site to build on?
- A. Brownfield
 - B. Access to 5 alternative transportation modes, several uses
 - C. ?
 - D. ?

89. Which of these parking spaces must be included for LT Credit Reduced Parking Footprint?
- A. Spaces leased to the building occupants
 - B. ?
 - C. ?
 - D. ?
90. Which of these strategies would help a project with earning SS Credit Open Space and SS Credit Rainwater Management?
- A. Native plants
 - B. ?
 - C. ?
 - D. ?
91. Which of these is best for helping a project achieve EA Credit Optimize Energy Performance and EA Credit Renewable Energy?
- A. Energy Modeler and Commissioning Agent
 - B. ?
 - C. ?
 - D. ?
92. Which of these could help a building facility manager maintain system performance?
- A. Maintenance and operating manual
 - B. ?
 - C. ?
 - D. ?
93. How are points determined for EA Credit Optimize Energy Performance, Option 1. Whole-Building Energy Simulation?
- A. Performance compare to baseline calculation
 - B. ?
 - C. ?
 - D. ?
94. A project design team has changed the building exterior design and increased the window-to-wall area. Which of these credits would be affected?
- A. EA Prerequisite Minimum Energy Performance
 - B. ?
 - C. ?
 - D. ?
95. An existing grocery store is being renovated to be a school. The project team remove piping for refrigeration blah blah blah.
- A. MR Credit ?
 - B. ?
 - C. ?
 - D. ?

96. Choosing a paint that meets the South Coast Air Management District Rule 1113 and is reflective can aid in the achievement of which of these credits?
- A. EQ Low Emitting Materials and EQ Interior Lighting
 - B. ?
 - C. ?
 - D. ?
97. What is used to determine a project's Regional Priority credits?
- A. Longitude and Latitude
 - B. ?
 - C. ?
 - D. ?
98. Where can you find the Regional Priority credits that apply to the project?
- A. USGBC Web Site
 - B. ?
 - C. ?
 - D. ?
99. An owner is building a large mall in an urban area and wants to design the project to minimize energy use. Which of these strategies could help with achieving the owner's goal?
- A. Narrow floor design and ...
 - B. ?
 - C. ?
 - D. ?
100. Isolate areas
- A. ?
 - B. ?
 - C. ?
 - D. ?
101. Which of these building systems uses CFCs?
- A. Centrifugal chiller
 - B. Roof hatch
 - C. ?
 - D. ?
102. Which of these would achieve IN Credit Innovation, Option 3. Additional Strategies for MR Credit Building Product Disclosure Optimization– Material Ingredients?
- A. 25% by cost of the total value of permanently installed products in the project are cradle to cradle v3 Gold and 25% are Greenscreen List Translator
 - B. ?
 - C. ?
 - D. ?
103. What must project teams provide to document FSC certification for all wood products claims?
- A. Cost of each item and the vendor's CoC certificate code
 - B. ?
 - C. ?
 - D. ?

104. For MR Credit Construction and Demolition Waste Management which of these would apply to hazardous waste?
- A. Exclude from the numerator, include in the denominator
 - B. Exclude from the numerator, exclude in the denominator
 - C. Include from the numerator, include in the denominator
 - D. Include from the numerator, exclude in the denominator
105. MR Credit Construction and Demolition Waste Management which of this applies to the calculation when asbestos is found?
- A. Exclude
 - B. Include
 - C. ?
 - D. ?
106. MR Credit Building Life-Cycle Impact Reduction, Option 2. Renovation of Abandoned or Blighted Building
- A. Up to 25% of the building surface area may be excluded from credit calculation because of deterioration or damage.
107. Who would be affected by the installation of a renewable energy system?
- A. CXA
 - B. LEED AP
 - C. ?
 - D. ?
108. BUG
- A. Meet requirements for the site light zone classification
109. Strategy to help a project to earn SS Credit Light Pollution Reduction?
- A. Shielded fixtures
 - B. ?
 - C. ?
 - D. ?
110. What is the intent of the Water Efficiency Credit Category?
- A. Conserve earth's potable water
 - B. ?
 - C. ?
 - D. ?
111. A 6-hour waste stream study identified a LEED for Building Design and Construction Retail project's top four recyclable waste streams. What is the first thing the LEED AP should tell the project?
- A. Identify the project's top-five recyclable waste streams.
 - B. Identify the project's top-five recyclable waste streams and three hazardous waste
 - C. Install storage and collection infrastructure for all waste
 - D. Conduct a waste stream study for a 24-hour period and identify the project's top-five recyclable waste streams.
112. What percentage of the earth's water is fresh water?
- A. 1%
 - B. 3%
 - C. 5%
 - D. 10%