

LEED for Neighborhood Development (LEED ND)

Quiz #1

- LEED for Neighborhood Development (ND) strategies focus primarily on,
 - affordable housing, climate protection, economic competitiveness
 - affordable housing, climate protection, improved public health
 - rapid urbanization, climate protection, improved public health
 - greenfield growth, climate protection, improved public health
- According to a study by The National Association of Realtors, what percentage of households would prefer a smaller home within walking distance of restaurants, shops, and schools over a large-lot property farther away?
 - 25%
 - 33%
 - 50%
 - 67%
- Which of these is a core element of the LEED for Neighborhood Development rating system?
 - Multimodal travel
 - Being located near fast food restaurants
 - Suburban greenfield development
 - Mixed-use development
- LEED emphasizes which of these approaches to managing projects?
 - Collaboration
 - Coexistence
 - Integrative
 - Isolation
- What LEED rating system focuses on the where, what, and how to build green at a community scale?
 - LEED BD+C: Retail
 - LEED BD+C: Schools
 - LEED BD+C: New Construction
 - LEED for Neighborhood Development
- Which of these concerns are of most importance to the LEED rating systems goals?
 - Climate change, water conservation, profit
 - Climate change; greener economy; human health
 - Renewable energy, waterbodies, solar energy
 - Credit point allocation, rating system development, Number of LEED APs
- In the LEED ND rating system, the major prerequisites and credits are categorized as
 - Smart Location and Linkage, Neighborhood Pattern and Design, Green Infrastructure and Buildings
 - Sustainable Sites, Neighborhood Pattern and Design, Green Infrastructure and Buildings
 - Smart Design, Neighborhood Development, Green Power
 - Smart Location and Linkage, Neighborhood Diversity, Green Infrastructure and Buildings

8. How many points must a LEED Gold project earn?
 - A. 40-49
 - B. 50-59
 - C. 60-79
 - D. 80-100

9. How many points must a LEED Silver project earn?
 - A. 40-49
 - B. 50-59
 - C. 60-79
 - D. 80-100

10. What is the lowest level of LEED certification?
 - A. Silver
 - B. Gold
 - C. Certified
 - D. Platinum

11. LEED-certified developments are designed to deliver which of these benefits:
 - A. Reduced waste; energy and water conservation, healthful and productive environments
 - B. Lower property taxes, solar energy rebates, tax refunds
 - C. Tax rebates, increased profit, zoning variances
 - D. Higher rents, lower property taxes, waste recovery

12. LEED for Neighborhood Development benefits are distinguished by:
 - A. Scale; more intelligent occupants; improved civic spaces
 - B. Scale; comprehensiveness and synergies; longevity
 - C. Amount of land; Construction methods; larger buildings
 - D. Cost; rapid development; diverse uses

13. Which of these is the first step in the LEED certification process?
 - A. Register the project
 - B. Select the rating system
 - C. Hire a LEED AP
 - D. Obtain a building permit

14. Which of these reviews provides technical advice on credits that require additional work for achievement?
 - A. preliminary review
 - B. final review
 - C. closing review
 - D. initial review

15. Which of these are certification options are unique to the LEED ND rating system? [Choose two]
 - A. Green Infrastructure & Buildings (GIB) credit review
 - B. Innovation credit review
 - C. Smart Location & Linkage (SLL) and Neighborhood Pattern & Design (NPD) prerequisite review
 - D. Letter of Support optional review

16. To set valid project goals, project teams should express objectives that are derived from or responsive to which of these?
- A. The developer's mission
 - B. Cost to build green
 - C. Brownfield redevelopment
 - D. Availability of shuttles
17. The LEED for Neighborhood Development rating system integrates
- A. limited growth, sprawl, and waste reduction.
 - B. smart growth, new urbanism, social equity, and green building practices.
 - C. transportation and location, sustainable site development, and innovation
 - D. owners, builders, LEED APs, and contractors
18. Which of these must a project use if it is in a planning stage or has constructed less than 75% of its total building floor area?
- A. LEED ND: Built Project
 - B. LEED BD+C: New Construction
 - C. LEED ND: Plan
 - D. LEED BD+C: Retail
19. A project is at full build-out and the owner wants to build green at a community scale. Which of these rating systems should you recommend?
- A. LEED BD+C: New Construction
 - B. LEED ID+C: Retail
 - C. LEED ND: Plan
 - D. LEED ND: Built Project
20. Which of these determines the land area of a project, including its buildable and nonbuildable portions?
- A. Building footprint
 - B. Project boundary
 - C. Development program
 - D. Infill
21. Which of these are required LEED ND base maps? [choose two]
- A. Project site
 - B. Vicinity within ten miles of the project site
 - C. Vicinity within a mile of the project site
 - D. Bus Rapid Transit (BRT) route
22. Which of these meets the requirements for being an infill site?
- A. The lands within 1/2 mile (800 meters) of the project boundary have a preproject connectivity of at least 140 intersections per square mile (54 intersections per square kilometer).
 - B. At least 90% of its boundary borders parcels that are greenfields
 - C. At least 75% of the land area, inclusive of rights-of-way, within 1/2 mile (800 meters) of the project boundary is previously developed.
 - D. At least 50% of its boundary borders parcels that individually are at least 50% previously developed, and that in aggregate are at least 50% previously developed.

23. For infill conditions, when determining the percentage of perimeter adjacent to qualifying parcels which of these are excluded?
- A. Parcels next to rights-of-way
 - B. Portions adjacent to waterfront
 - C. Lengths of portions adjacent to qualifying parcels
 - D. Lengths of portions of previously developed areas
24. A LEED ND project has a perimeter portion adjacent to parcels that are each > 50% developed of 4,300 ft. The total project site perimeter is 5,000 ft. The total perimeter of project site and additional bordering parcels is 16,000 ft. What is the percentage of the portion of the perimeter that borders parcels that are more than 50% previously developed?
- A. 27%
 - B. 31%
 - C. 50%
 - D. 86%
25. Land area within 1/2 mi of project site boundary (after exclusions) is 345 acres. Previously developed land area within 1/2 mi of site boundary is 270 acres. Qualifying intersections within 1/2 mi of project site boundary is 100 intersections. How many intersections per square mile does the project have?
- A. 100
 - B. 185
 - C. 200
 - D. 238
26. To be an adjacent site, the project site needs to border previously developed land along at least
- A. 25% of its boundary.
 - B. 50% of its boundary
 - C. 75% of its boundary
 - D. 100% of its boundary
27. A 20-acre project with a 4-acre park required by local government code, the base buildable land would be 16 acres. Should the developer wish to set aside additional land for permanent protection, what is the maximum allowable amount that could be set aside and also considered nonbuildable for this project?
- A. 3.0 acres
 - B. 2.4 acres
 - C. 1.6 acres
 - D. 4.0 acres
28. What is a tabular presentation typically prepared by a developer detailing land uses and the demolition, construction, renovation, or retention of buildings within the project boundary called?
- A. Development plan
 - B. Construction documents
 - C. Site analysis
 - D. Construction activity pollution prevention plan

29. In the LEED ND development timeline, what is the time at which all habitable buildings on the project are complete and ready for occupancy called?
- A. Existing conditions
 - B. Acquisition
 - C. Post construction
 - D. Build-out
30. A vicinity base map must illustrate relevant surrounding features for up to
- A. 1 mile (1.6 km) around the project boundary
 - B. ½ mile (0.8 km) around the project boundary
 - C. 10 restaurants and 6 public parks
 - D. 1 mile (1.6 km) around the project site
31. Which of these should be included on a map submitted for credit verification? [choose two]
- A. Northpoint
 - B. Scale
 - C. USGBC logo
 - D. Preparer's initials
32. At least how wide must a two-way bicycle path or trail be to qualify as a bicycle network?
- A. 4 feet
 - B. 5 feet
 - C. 8 feet
 - D. 10 feet
33. What is the maximum target speed for a street to qualify as a bicycle network?
- A. 5 mph
 - B. 15 mph
 - C. 20 mph
 - D. 25 mph
34. What is the total number of origin points for a multifamily building with 30 dwelling units with one main entrance, a nonresidential building entrance leading to 10 office tenants and two retail tenants?
- A. 10
 - B. 30
 - C. 13
 - D. 42
35. Which of these is excluded when determining land-use density?
- A. Residential land
 - B. Structured parking
 - C. Community gardens
 - D. Voluntary set-aside open space

36. To be considered permeable pavement what percentage of the pavement surface must be permeable to be excluded from the development footprint?
- A. 25%
 - B. 50%
 - C. 75%
 - D. 100%
37. How is connectivity expressed?
- A. Number of roads per square feet
 - B. Intersections per neighborhood
 - C. Intersections per square mile
 - D. Road length per property perimeter
38. Which of these determines a projects geographic center?
- A. Centroid of the polygon created by the project boundary
 - B. The intersection of the diagonals dividing the property along North-South and East-West
 - C. The area with the most intersections
 - D. The center of a circle drawn $\frac{1}{2}$ mile around the project boundary
39. Which of these project size requirements applies to a LEED for Neighborhood Development project?
- A. Must be larger than 1500 acres
 - B. Should contain at least two habitable buildings and be no larger than 1500 acres
 - C. Must include a minimum of 250 square feet of gross floor area
 - D. Must include a minimum of 1000 square feet of gross floor area
40. Which of these may happen if a project is found to be in noncompliance of any MPR after the project has been certified?
- A. Owner is fined \$1000
 - B. The project's LEED Certification is reduced to the lowest level of Certified
 - C. The project's LEED Certification is revoked
 - D. The project must return the LEED plaque