

LEED for Neighborhood Development Power Jam Study  
Quiz #3 – Neighborhood Pattern and Design (NPD))

1. NPD Prerequisite Connected and Open Community, Case 2 Internal Connectivity requires projects to design and build the project such that its internal connectivity is at least
  - A. 140 intersections per square mile
  - B. 90 intersections per square mile
  - C. 1 intersection every 800 feet
  - D. 1 intersection every 500 feet
2. To meet walkable streets, new residential-only motorized parts of the circulation network within the project should be designed for a target speed of no more than
  - A. 15 mph
  - B. 20 mph
  - C. 25 mph
  - D. 30 mph
3. Which of these is used to calculate the probability that any two randomly selected dwelling units in a project will be of a different type?
  - A. Area Median Income (AMI)
  - B. Housing and Urban Development (HUD)
  - C. Simpson Diversity Index
  - D. Qualified Census Tract (QCT)
4. A project design team was asked by the owner to replace a black asphalt parking lot with grey pervious concrete in order to achieve Rainwater Management. What other environmental impact is reduced by this design change?
  - A. Emissivity
  - B. Heat island effect
  - C. Light Pollution
  - D. Daylight
5. Which of these may be prohibited in front yards that face the circulation network?
  - A. Gardens
  - B. Raised vegetable beds
  - C. Pots for growing herbs
  - D. Greenhouses
6. Determine the minimum number of trees required for Neighborhood Pattern and Design Credit Tree-Lined and Shaded Streetscapes, Option 1. Tree-Lined Blocks if the total existing and planned block length within the project is 3500 lf.
  - A. 30
  - B. 35
  - C. 42
  - D. 70
7. Which of these would meet the requirement for New school campuses within the project boundary for earning the Neighborhood Pattern and Design (NPD) Credit Neighborhood Schools?
  - A. Elementary School to be built on 4 acres
  - B. High School to be built on 20 acres
  - C. Middle School to be built on 15 acres
  - D. Combined Middle and High School to be built on 35 acres

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