Urban Planning and Ecology

Urban Planning · Answer Key · 10 Questions

1. What is the primary purpose of a wildlife corridor in urban planning?

A) To increase vehicle traffic flow
B) To provide safe passage for animals through fragmented habitats
C) To create space for new shopping malls
D) To improve cellular network coverage

2. Which term describes the phenomenon where urban areas experience higher temperatures than surrounding rural areas due to human activity and building materials?

A) The Greenhouse Effect
B) The Urban Heat Island Effect
C) Ozone Depletion
D) Tectonic Shift

3. What is a 'green roof' specifically designed to do in an urban environment?

A) Provide a landing pad for aircraft
B) Collect solar energy exclusively
C) Reduce stormwater runoff and provide insulation
D) Increase the weight of building structures

4. What are 'bioswales' primarily used for in sustainable urban design?

A) Removing pollutants from surface runoff water
B) Generating electricity from wind
C) Housing endangered urban birds
D) Filtering air pollution from highways

5. Which of these is a common benefit of 'permeable pavement' in city planning?

A) It decreases construction costs
B) It allows water to soak into the ground, reducing flood risk
C) It prevents street lights from flickering
D) It increases the speed of vehicle travel

6. What is the main environmental goal of incorporating 'urban forests' into city plans?

A) Providing timber for export
B) Increasing the presence of invasive species
C) Sequestering carbon and improving air quality
D) Eliminating the need for public parks

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7. What does the 'Daylighting' of a stream involve in urban development?

A) Removing artificial covers from buried watercourses
B) Adding lights to river banks
C) Planting trees along a canal
D) Building a wall around a pond

8. Which feature is commonly used to prevent bird collisions with high-rise urban buildings?

A) Bright neon lights
B) Reflective blue glass
C) UV-patterned glass or window film
D) Increased wind speed at ground level

9. What is the primary environmental function of a 'rain garden' in a residential area?

A) Attracting large predators to the city
B) Catching and filtering rainwater from rooftops and driveways
C) Serving as a playground for children
D) Storing household waste

10. Which urban planning concept refers to the practice of building higher density housing to prevent the outward expansion of cities into natural landscapes?

A) Urban sprawl
B) Gentrification
C) Smart growth
D) De-urbanization

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