

12 pages + 35-page Answer KEY

This study guide will help you study for the Land and Water Use exam by highlighting the most important concepts on the exam. It is not a definitive list of every topic that could appear on the exam and should not be used in lieu of the textbook and course content.

— If you need help with any of the essential knowledge listed on the study guide or answering any of the questions, please watch the AP Daily video for that material in AP Neuroscience.

[illegible]

1. **CONCEPT 1** defines the relationship between the ecological footprint and development.
2. **CONCEPT 2** how development impacts the ecological footprint of a region.
3. **CONCEPT 3** the potential consequences of ignoring the concept of ecological footprint on a global scale.
4. **CONCEPT 4** the ecological footprint of two different multinationals based on their technology choices.
5. **CONCEPT 5** the variation measured in an ecological footprint.

- 1. Urbanization:** The process by which large numbers of people become permanently concentrated in relatively small areas forming cities.
- 2. Suburbanization:** Physical movement such as permanent towns, suburbs, dormitories, shopping and parking lots and buildings that are located by water, suburban houses that replace, concrete, and trees.
- 3. Urban Sprawl:** The rapid expansion of the geographic extent of cities and towns, often characterized by low density residential building, single-use zoning, and increased reliance on the private automobile.
- 4. Urban Blight:** The process by which a previously flourishing city, village or town, falls into decline and disrepair, often marked by deteriorating and abandoned buildings, vacant lots, and high levels of crime.
- 5. Effects of Urbanization on the Environment:** Urbanization can lead to better lives, as well as air pollution, increased energy consumption, and climate change. It also changes natural ecosystems and human biodiversity.
- 6. Environmental Impacts of Urban Sprawl:** Urban sprawl contributes to habitat fragmentation, increased air and water pollution, higher energy consumption, and loss of open space. It also leads to greater reliance on automobiles, which increases greenhouse gas emissions.
- 7. Reurbanization:** The process of making something grow, develop, or become revitalized again. In urban contexts, it refers specifically to urban renewal, urban regeneration, inner-city regeneration, infrastructure regeneration, and community regeneration.
- 8. Causes of Urban Blight:** Factors include lack of investment by private developers, economic decline, population loss and inadequate municipal policies. Other causes can be industrialization, suburbanization, and poor urban planning.
- 9. Methods for Mitigating Problems Related to Urban Sprawl:** Solutions include using green permanent materials, covering green roofs, planting trees, including rain gardens, and implementing better-developed transportation systems.
- 10. Causes of Urban Blight:** Urban blight is caused by economic, housing shortages, and air pollution that drives poor populations outwards. This results in buildings, covering pollution and some decay and water issues.
- 11. Why are observations of Suburbanization Called So's Problem:** Suburbanization causes environmental degradation, leading to increased runoff, flooding, and

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