

Name: \_\_\_\_\_ Date: \_\_\_\_\_

## **Sultry Sands and Sunken Cities: Senior Human-Environment Inquiry**

How do political boundaries clash with ecological realities? Analyze transboundary resource management and anthropogenic landscape shifts in this rigorous assessment.

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**1. The 'Great Green Wall' initiative in the Sahel represents a large-scale attempt to mitigate desertification. Which geographical concept best describes the strategic planting of millions of trees to alter local precipitation patterns?**

- A. Environmental Determinism
- B. Anthropogenic Modification
- C. Possibilism through Cultural Ecology
- D. Territorial Morphology

**2. The 'Resource Curse' (or Paradox of Plenty) suggests that countries with an abundance of non-renewable natural resources often experience less economic growth and worse development outcomes than countries with fewer natural resources.**

- A. True
- B. False

**3. The Aral Sea disaster, caused by diverting rivers for cotton irrigation in the former Soviet Union, is a classic example of \_\_\_\_\_ leading to catastrophic ecological collapse.**

- A. Sustainable Development
- B. Environmental Mismanagement
- C. Climatological Seeding
- D. Xeriscaping

**4. Singapore's 'Great Island' expansion via land reclamation is an example of overcoming geographical constraints. However, which resulting geopolitical tension is most associated with this practice?**

- A. Disputes over sand dredging rights in neighboring waters
- B. Violations of the Antarctic Treaty
- C. Implementation of the Kyoto Protocol
- D. Conflict over the Bering Strait shipping lanes

**5. The concept of 'Transhumance'—the seasonal movement of livestock between mountain and lowland pastures—is a form of human adaptation to vertical climate zones.**

- A. True
- B. False

**6. In the context of the Anthropocene, the massive increase in \_\_\_\_\_ use in the American Midwest has led to a 'Dead Zone' in the Gulf of Mexico due to nutrient runoff.**

- A. Hydroelectric

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- B. Geothermal
- C. Nitrogenous Fertilizer
- D. Desalination

**7. Which of the following best exemplifies the 'Tragedy of the Commons' in a modern, globalized human-environment context?**

- A. Privatization of a city park in London
- B. Overfishing in international waters beyond national jurisdiction
- C. The construction of a private toll road in Texas
- D. Homeowners planting vegetable gardens in their backyards

**8. Environmental Justice movements focus exclusively on the protection of endangered species in remote wilderness areas, distinct from urban human health concerns.**

- A. True
- B. False

**9. The construction of the \_\_\_\_\_ Railway across the permafrost of the Tibetan Plateau required advanced engineering to prevent the heat from the tracks from melting the frozen ground.**

- A. Qinghai-Tibet
- B. Trans-Siberian
- C. Orient Express
- D. Pan-American

**10. How does the 'Inverse Distance Weighting' logic apply to the impact of a natural disaster like a volcano eruption on human settlements?**

- A. Impact increases as distance from the source increases
- B. Human adaptation remains constant regardless of proximity
- C. The intensity of the environmental effect typically diminishes as distance from the event increases
- D. Proximity to the event creates economic immunity