

## Savanna Quiz Answer Key PDF

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**What type of climate is typically associated with savannas?**

- A. Arctic
- B. Temperate
- C. Tropical ✓**
- D. Mediterranean

**What is the primary economic activity in many savanna regions?**

- A. Fishing
- B. Tourism ✓**
- C. Mining
- D. Manufacturing

**Which season is characterized by heavy rainfall in the savanna?**

- A. Winter
- B. Dry season
- C. Wet season ✓**
- D. Autumn

**Which tree species is commonly found in African savannas?**

- A. Oak
- B. Pine
- C. Acacia ✓**
- D. Maple

**What are common characteristics of savanna vegetation? (Select all that apply)**

- A. Dense forests
- B. Scattered trees ✓**
- C. Predominantly grasses ✓**
- D. Thick underbrush

**What is the primary role of wildfires in savanna ecosystems?**

- A. Destroy vegetation
- B. Promote grass growth ✓**
- C. Increase tree density
- D. Reduce soil fertility

**Describe the role of indigenous communities in the conservation of savanna ecosystems.**

**Indigenous communities contribute to the conservation of savanna ecosystems by utilizing traditional ecological knowledge to manage resources sustainably, protecting biodiversity, and maintaining cultural practices that foster environmental stewardship.**

**Discuss the importance of fire in maintaining the balance of savanna ecosystems.**

**Fire is essential in savanna ecosystems as it helps to clear out dead plant material, encourages new growth, and prevents the encroachment of trees and shrubs, thus maintaining the characteristic open landscape.**

**Explain how the seasonal migration of animals impacts the savanna ecosystem.**

**The seasonal migration of animals impacts the savanna ecosystem by facilitating nutrient cycling, promoting plant growth, and enhancing biodiversity through seed dispersal and predator-prey dynamics.**

**How does climate change pose a threat to savanna regions? Provide examples.**

**Climate change poses a threat to savanna regions by causing increased temperatures, changing rainfall patterns, and leading to more frequent droughts and wildfires, which can devastate local ecosystems and agriculture.**

**Which animal is a common herbivore in the savanna?**

- A. Polar bear
- B. Kangaroo
- C. Giraffe ✓**
- D. Penguin

**What strategies can be implemented to promote sustainable land management in savannas?**

**Strategies to promote sustainable land management in savannas include implementing agroforestry systems, practicing controlled grazing to prevent overgrazing, restoring degraded lands, enhancing soil conservation techniques, and involving local communities in resource management.**

**Which of the following animals are predators in the savanna? (Select all that apply)**

- A. Lion ✓**
- B. Cheetah ✓**
- C. Elephant
- D. Hyena ✓**

**Which continent is home to the largest savanna region?**

- A. Asia
- B. Africa ✓**
- C. South America
- D. Australia

**Which of the following are ecological roles of savannas? (Select all that apply)**

- A. Carbon storage ✓**
- B. Desertification
- C. Biodiversity conservation ✓**
- D. Water filtration

**Compare and contrast the savanna ecosystems found in Africa and Australia.**

**Both African and Australian savannas are characterized by grasslands with scattered trees, but African savannas are known for their large herbivores like elephants and lions, while Australian**

savannas support different species such as kangaroos and emus, reflecting their distinct evolutionary paths and ecological dynamics.

**Which of the following are adaptations of savanna plants? (Select all that apply)**

- A. Deep root systems ✓**
- B. Large leaves
- C. Water storage in trunks ✓**
- D. Rapid growth during wet season ✓**

**What are the effects of human activities on savannas? (Select all that apply)**

- A. Deforestation ✓**
- B. Soil erosion ✓**
- C. Increased biodiversity
- D. Habitat loss ✓**

**What is a major threat to savanna ecosystems?**

- A. Urbanization ✓**
- B. Ice melting
- C. Overfishing
- D. Air pollution

**Which continents have significant savanna regions? (Select all that apply)**

- A. North America
- B. Africa ✓**
- C. Australia ✓**
- D. South America ✓**