

Lake Baikal Quiz Answer Key PDF

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Where is Lake Baikal located?

- A. Canada
- B. Russia ✓**
- C. China
- D. United States

Which animal is unique to Lake Baikal?

- A. Polar Bear
- B. Baikal Seal (Nerpa) ✓**
- C. Siberian Tiger
- D. Arctic Fox

What is the surface area of Lake Baikal?

- A. 20,000 square kilometers
- B. 31,722 square kilometers ✓**
- C. 40,000 square kilometers
- D. 50,000 square kilometers

Which of the following is a major threat to Lake Baikal?

- A. Deforestation
- B. Overfishing
- C. Industrial Pollution ✓**
- D. Urbanization

What are some cultural aspects associated with Lake Baikal?

A. Indigenous myths ✓

B. Historical trade routes

C. Modern industrial sites

D. Scientific research importance ✓

Explain why Lake Baikal is considered a critical site for biodiversity.

Lake Baikal is the world's deepest and oldest freshwater lake, hosting over 1,700 species of plants and animals, including the Baikal seal, making it a vital reservoir of biodiversity.

Which factors contribute to Lake Baikal's ecological significance?

A. Diverse ecosystems ✓

B. High water temperature

C. Endemic species ✓

D. Low biodiversity

How does Lake Baikal contribute to scientific research and understanding of freshwater ecosystems?

Lake Baikal contributes to scientific research by providing a unique environment for studying freshwater biodiversity, ecosystem dynamics, and the impacts of climate change, making it an essential site for ecological and environmental studies.

What measures are being taken to protect Lake Baikal from environmental threats?

Measures include the establishment of the Baikal Nature Reserve, stricter regulations on industrial activities, and initiatives to monitor and reduce pollution levels in the lake.

Which of the following are characteristics of Lake Baikal?

A. Deepest freshwater lake ✓

B. Largest lake by surface area

C. Oldest freshwater lake ✓

D. Contains saltwater

What are some conservation challenges facing Lake Baikal?

- A. Climate change ✓**
- B. Invasive species
- C. Overfishing
- D. Tourism impact ✓**

Reflect on the cultural and historical importance of Lake Baikal in Russian folklore and history.

Lake Baikal is deeply embedded in Russian folklore and history, symbolizing purity and spirituality, and is often associated with various myths, including those of local indigenous peoples who view it as a sacred entity.

Describe the impact of climate change on Lake Baikal's ecosystem.

The impact of climate change on Lake Baikal's ecosystem includes rising water temperatures, which disrupt the habitat of endemic species, and increased nutrient runoff leading to harmful algal blooms that threaten aquatic life.

What is the approximate depth of Lake Baikal?

- A. 500 meters
- B. 1,642 meters ✓**
- C. 2,000 meters
- D. 3,000 meters

What percentage of the world's unfrozen freshwater does Lake Baikal hold?

- A. 10%
- B. 15%
- C. 20% ✓**
- D. 25%

Lake Baikal is recognized as a UNESCO World Heritage Site because of its:

- A. Cultural festivals
- B. Unique biodiversity ✓**
- C. Ancient ruins

D. Mountain ranges

Which species are found in Lake Baikal?

- A. Baikal Seal ✓**
- B. Siberian Crane
- C. Omul Fish ✓**
- D. Lake Trout

How old is Lake Baikal estimated to be?

- A. 1 million years
- B. 5 million years
- C. 10 million years
- D. 25 million years ✓**

What makes Lake Baikal's water unique?

- A. High salinity
- B. Exceptional clarity ✓**
- C. Rich in minerals
- D. High oxygen content ✓**

Discuss the significance of Lake Baikal to the indigenous communities living nearby.

Lake Baikal is significant to the indigenous communities living nearby as it serves as a source of food, water, and cultural identity, supporting their traditional livelihoods and spiritual beliefs.