

## Great Lakes Quiz Questions and Answers PDF

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#### Which Great Lake is the largest by surface area?

- Lake Michigan
- Lake Superior ✓
- Lake Erie
- Lake Ontario

Lake Superior is the largest of the Great Lakes by surface area, covering approximately 31,700 square miles (82,100 square kilometers). It is not only the largest of the Great Lakes but also the largest freshwater lake in the world by surface area.

#### Which states border Lake Michigan? (Select all that apply)

- Illinois ✓
- Ohio
- Wisconsin ✓
- Indiana ✓

Lake Michigan is bordered by four states: Illinois, Indiana, Wisconsin, and Michigan. These states have coastlines along the lake, making them significant in terms of geography and recreation.

#### Which Great Lakes are connected by the Straits of Mackinac? (Select all that apply)

- Lake Superior
- Lake Huron ✓
- Lake Erie
- Lake Michigan ✓

The Straits of Mackinac connect Lake Michigan and Lake Huron, serving as a crucial waterway between these two Great Lakes.

#### Which Great Lake is the shallowest?

- Lake Superior
- Lake Erie ✓**
- Lake Ontario
- Lake Huron

Lake Erie is the shallowest of the Great Lakes, with an average depth of only about 19 feet (5.7 meters). This shallowness contributes to its warmer temperatures compared to the other Great Lakes.

#### Which state does NOT border any of the Great Lakes?

- Ohio
- Iowa ✓**
- Pennsylvania
- Indiana

The state that does not border any of the Great Lakes is Pennsylvania. While it is located near the Great Lakes region, it does not have a shoreline on any of the lakes.

#### What river connects the Great Lakes to the Atlantic Ocean?

- Mississippi River
- St. Lawrence River ✓**
- Ohio River
- Hudson River

The St. Lawrence River is the primary waterway that connects the Great Lakes to the Atlantic Ocean, facilitating navigation and trade between these significant bodies of water.

#### Which of the following are environmental concerns for the Great Lakes? (Select all that apply)

- Invasive species ✓**
- Pollution ✓**
- Climate change ✓**
- Deforestation

The Great Lakes face several environmental concerns including pollution, invasive species, habitat loss, and climate change. These issues threaten the ecosystem and water quality of the lakes.

#### Which Great Lake is shared by the most U.S. states?

- Lake Erie ✓
- Lake Michigan
- Lake Ontario
- Lake Huron

Lake Michigan is the Great Lake shared by the most U.S. states, as it borders four states: Illinois, Indiana, Wisconsin, and Michigan.

**How do the Great Lakes influence the climate of the surrounding regions?**

The Great Lakes influence the climate of the surrounding regions by moderating temperatures, resulting in milder winters and cooler summers, and by providing moisture that can lead to increased precipitation.

**Which Great Lakes are located on the border between the United States and Canada? (Select all that apply)**

- Lake Michigan
- Lake Huron ✓
- Lake Erie ✓
- Lake Ontario ✓

The Great Lakes located on the border between the United States and Canada include Lake Superior, Lake Huron, Lake Erie, and Lake Ontario.

**Describe the impact of invasive species on the Great Lakes ecosystem.**

The impact of invasive species on the Great Lakes ecosystem includes the displacement of native species, alteration of habitats, and introduction of diseases, which collectively threaten biodiversity and ecological balance.

Which of the following are major economic activities associated with the Great Lakes? (Select all that apply)

- Fishing ✓
- Shipping ✓
- Tourism ✓
- Mining

The major economic activities associated with the Great Lakes include shipping and transportation, fishing, tourism, and manufacturing. These activities leverage the lakes' natural resources and strategic location for trade and recreation.

Discuss the historical importance of the Great Lakes in the exploration and settlement of North America.

The Great Lakes were historically important in the exploration and settlement of North America as they provided a navigable waterway that connected the interior of the continent to the Atlantic Ocean, enabling trade, transportation, and the movement of people.

Which Great Lakes are part of the Great Lakes-St. Lawrence Seaway? (Select all that apply)

- Lake Superior ✓
- Lake Erie ✓
- Lake Ontario ✓
- Lake Michigan

The Great Lakes that are part of the Great Lakes-St. Lawrence Seaway include Lake Superior, Lake Michigan, Lake Huron, Lake Erie, and Lake Ontario. These lakes are interconnected and facilitate navigation and shipping between the interior of North America and the Atlantic Ocean.

**Which Great Lake has the largest volume of water?**

- Lake Erie
- Lake Huron
- Lake Superior ✓
- Lake Ontario

Lake Superior is the largest Great Lake by volume, containing more water than the other Great Lakes combined. It holds approximately 3,000 cubic miles of water, making it the largest freshwater lake in the world by surface area as well.

**Explain the significance of the Great Lakes in terms of freshwater supply globally.**

The Great Lakes are significant for global freshwater supply as they contain approximately 20% of the world's unfrozen freshwater, serving as a vital resource for millions of people and ecosystems.

**What are some of the conservation efforts being implemented to protect the Great Lakes?**

Some of the key conservation efforts being implemented to protect the Great Lakes include the Great Lakes Restoration Initiative (GLRI), which focuses on cleaning up contaminated areas, reducing nutrient runoff, restoring wetlands, and controlling invasive species.

**What percentage of the world's surface fresh water is contained in the Great Lakes?**

- 10%
- 21% ✓
- 25%
- 15%

The Great Lakes contain approximately 20% of the world's surface fresh water, making them one of the largest freshwater systems on the planet.

### Which Great Lake is entirely within the United States?

- Lake Huron
- Lake Erie
- Lake Ontario
- Lake Michigan ✓

Lake Michigan is the only Great Lake that is entirely located within the United States, with no borders shared with Canada.

### Explain the role of the Great Lakes in international trade and transportation.

The Great Lakes play a crucial role in international trade and transportation by providing a navigable waterway that connects the interior of North America to the Atlantic Ocean, allowing for the efficient movement of bulk goods such as iron ore, coal, and grain.