

Tropic of Cancer Quiz Answer Key PDF

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How does the Tropic of Cancer influence agricultural practices in the countries it passes through?

The Tropic of Cancer influences agricultural practices by determining the types of crops that can be grown and the timing of planting and harvesting in the countries it passes through.

Discuss the role of the Tropic of Cancer in modern navigation and mapping.

The Tropic of Cancer plays a crucial role in modern navigation and mapping by serving as a key reference line for latitude, helping to define climate zones and solar angles that are essential for accurate navigation.

Which continent does the Tropic of Cancer NOT pass through?

- A. Africa
- B. Asia
- C. Europe ✓**
- D. North America

What is the approximate latitude of the Tropic of Cancer?

- A. 0°
- B. 23.5° North ✓**
- C. 45° North
- D. 66.5° North

Explain why the Tropic of Cancer is important for understanding Earth's climate zones.

The Tropic of Cancer is important for understanding Earth's climate zones because it delineates the boundary between tropical and temperate climates, affecting temperature, precipitation, and seasonal variations.

Which ocean does the Tropic of Cancer cross?

- A. Atlantic Ocean
- B. Pacific Ocean
- C. Indian Ocean
- D. All of the above ✓**

The Tropic of Cancer is primarily associated with which type of climate?

- A. Polar
- B. Temperate
- C. tropical ✓**
- D. Desert

Which of the following countries does the Tropic of Cancer pass through?

- A. Brazil
- B. India ✓**
- C. Argentina
- D. Australia

The Tropic of Cancer influences which of the following weather patterns? (Select all that apply)

- A. Monsoons ✓**
- B. Hurricanes ✓**
- C. Snowstorms
- D. Droughts ✓**

What are some of the ecosystems found along the Tropic of Cancer? (Select all that apply)

- A. Deserts ✓**
- B. Rainforests ✓**
- C. Tundra

D. Grasslands ✓

Describe the cultural significance of the Tropic of Cancer in ancient civilizations.

The Tropic of Cancer was culturally significant in ancient civilizations as it indicated the limits of the sun's movement, impacting agriculture, religious practices, and the development of calendars.

What is the significance of the Tropic of Cancer in terms of Earth's axial tilt?

A. It marks the tilt's maximum angle. ✓

B. It is unrelated to the tilt.

C. It marks the tilt's minimum angle.

D. It is the equator's midpoint.

What challenges do ecosystems along the Tropic of Cancer face due to climate change?

The challenges include habitat loss, increased frequency of extreme weather events, shifts in species distribution, and heightened vulnerability of ecosystems to invasive species.

Which of the following countries are crossed by the Tropic of Cancer? (Select all that apply)

A. Mexico ✓

B. Egypt ✓

C. Russia

D. Saudi Arabia ✓

Which phenomenon occurs at the Tropic of Cancer during the June solstice?

A. Midnight Sun

B. Sun directly overhead at noon ✓

C. Total solar eclipse

D. Aurora Borealis

How does the position of the Tropic of Cancer affect the biodiversity found in its regions?

The Tropic of Cancer affects biodiversity by creating warm, tropical climates that support diverse ecosystems, leading to high levels of species richness and endemism in its regions.

Which of the following continents does the Tropic of Cancer pass through? (Select all that apply)

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

Which of the following are cultural or historical significances of the Tropic of Cancer? (Select all that apply)

- A. Ancient navigation ✓**
- B. Religious festivals
- C. Mapping and cartography ✓**
- D. Modern political boundaries

What is the primary reason for the variation in climate along the Tropic of Cancer?

- A. Ocean currents
- B. Altitude
- C. Latitude ✓**
- D. Human activity

The Tropic of Cancer is important for understanding which of the following astronomical events? (Select all that apply)

- A. Equinoxes
- B. Solstices ✓**
- C. Lunar eclipses
- D. Solar eclipses ✓**