

## Latitude and Longitude Quiz PDF

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**Which line of longitude is known as the Prime Meridian?**

- 90°E
- 0°
- 180°
- 45°W

**What is the latitude of the Equator?**

- 0°
- 45°N
- 90°S
- 180°

**What is the maximum degree of latitude possible?**

- 45°
- 90°
- 180°
- 360°

**Which of the following coordinates could represent a location in the Southern Hemisphere? (Select all that apply)**

- 45°N, 120°E
- 30°S, 60°W
- 15°S, 45°E
- 60°N, 90°W

**Which unit is used to measure latitude and longitude?**

- Kilometers

- Degrees
- Meters
- Inches

**How would you calculate the distance between two points given their latitude and longitude?**

**Which of the following are true about the Prime Meridian? (Select all that apply)**

- It is located at  $0^\circ$  longitude
- It runs through Greenwich, England
- It is the starting point for measuring latitude
- It helps establish time zones

**What is the primary purpose of the Prime Meridian?**

- To divide the Earth into time zones
- To measure distance from the Equator
- To separate the Eastern and Western Hemispheres
- To calculate altitude

**What is the longitude of the International Date Line?**

- $0^\circ$
- $90^\circ$
- $180^\circ$
- $360^\circ$

**Discuss the importance of the Prime Meridian in global navigation.**

**Describe the significance of the Equator in dividing the Earth into hemispheres.**

**How do latitude and longitude coordinates help in determining time zones?**

**Which of the following are applications of latitude and longitude? (Select all that apply)**

- Determining climate zones
- Calculating altitude
- Navigation and GPS
- Setting time zones

**What is the process for converting coordinates from degrees, minutes, and seconds to decimal degrees?**

**What are the characteristics of the Equator? (Select all that apply)**

- It is at  $0^\circ$  latitude
- It divides the Earth into Eastern and Western Hemispheres
- It is the longest line of latitude
- It runs through the poles

**Which hemisphere is located above the Equator?**

- Eastern Hemisphere
- Western Hemisphere
- Northern Hemisphere
- Southern Hemisphere

**Explain how latitude and longitude are used in GPS technology.**

**Which of the following statements about the International Date Line are correct? (Select all that apply)**

- It is located at  $180^\circ$  longitude
- It is used to calculate altitude
- It marks the change of one calendar day to the next
- It divides the Earth into Northern and Southern Hemispheres

**Which direction do lines of latitude run?**

- North-South
- East-West
- Diagonal
- Vertical

**Which of the following are true about lines of longitude? (Select all that apply)**

- They run parallel to the Equator
- They converge at the poles
- They measure distance east or west of the Prime Meridian
- They are also known as parallels