



History and Purpose of Time Zones

Before time zones existed, each city kept its own local time based on the Sun. With the rise of trains and global communication, a worldwide system was needed to keep schedules consistent. In this activity, test your knowledge of how time zones were created and why they matter.

Directions: Read each question carefully. Circle the **best answer choice**.

1. Why were time zones first created?
 - A. To help farmers know when to plant crops
 - B. To make train schedules and communication more consistent
 - C. To give each city its own unique clock system
 - D. To replace calendars around the world
2. Who is credited with proposing the worldwide system of 24 time zones?
 - A. Albert Einstein
 - B. Isaac Newton
 - C. Galileo Galilei
 - D. Sir Sandford Fleming
3. The Prime Meridian, which is the basis for UTC, passes through which city?
 - A. Paris
 - B. New York
 - C. London (Greenwich)
 - D. Rome
4. How many degrees of longitude does each time zone typically cover?
 - A. 10°
 - B. 15°
 - C. 30°
 - D. 60°
5. What is the main purpose of Coordinated Universal Time (UTC)?
 - A. To replace daylight and nighttime cycles
 - B. To give each country its own time system
 - C. To serve as a single standard reference time for the world
 - D. To measure distances between planets
6. What is the significance of the International Date Line?
 - A. It is the dividing line where one calendar day changes to the next
 - B. It marks where the Sun is always directly overhead
 - C. It separates the Northern and Southern Hemispheres
 - D. It sets the world's fastest clock