

Name _____



Longitude, Meridians, and Time Standards

Time zones are built on Earth's rotation, longitude, and a system of meridians. Scientists use these measurements to create a shared global standard of time. In this activity, you will complete sentences to review the important vocabulary behind time zones.

Directions: Fill in each blank with the correct word from the **Word Bank** below. Each word will be used only once.

| | | |
|----------------|----------------------------|-------------------------|
| Longitude | Coordinated Universal Time | International Date Line |
| Prime Meridian | 24 | 15 |
| Greenwich | Meridians | Standard Time |
| | | Rotation |

1. Lines that run north to south on Earth's surface and measure distance east or west are called _____.
2. The starting line for measuring longitude, located in _____, England, is called the _____.
3. Earth is divided into _____ main time zones, based on the fact that it takes Earth 24 hours to make one complete _____.
4. Each time zone generally covers about _____ degrees of longitude, because Earth spins that distance in one hour.
5. The line opposite the Prime Meridian, which marks where one calendar day ends and the next begins, is called the _____.
6. The system that allows everyone to agree on one "world clock" is called _____, or UTC.
7. Local times within a time zone are set to a single clock reading called _____.
8. The imaginary lines running from pole to pole that divide longitude are known as _____.