Name _____

Correcting Time Zone Misconceptions

Directions: Read each statement carefully. Write **True** if it is correct or **False** if it is a misconception. If the statement is false, rewrite it to make it correct.

1. Earth rotates once every 12 hours, which is why we need time zones.
   Answer: _____
   Correction: _____
2. The Prime Meridian in Greenwich, England, is the starting point for measuring time zones.
   Answer: _____
   Correction: _____
3. Each time zone generally represents 30° of longitude, which equals one hour of Earth's rotation.
   Answer: _____
   Correction: _____
4. Coordinated Universal Time (UTC) is used as a global standard so scientists, travelers, and businesses can coordinate across countries.
   Answer: _____
   Correction: _____
5. The International Date Line shows where days change; crossing it can move the calendar forward or backward by one day.
   Answer: _____
   Correction: _____
6. All countries use daylight saving time to make better use of sunlight.
   Answer: _____
   Correction: _____
7. Noon in solar time always happens when the Sun is directly overhead, but in standard time, noon is set for an entire time zone.
   Answer: _____
   Correction: _____