

**VIEWPOINT**

*Match the descriptions in Column I with the terms in Column II. Write the letter of the correct term in the blank on the left.*

**Column I**

1. An imaginary line that separates Earth into northern and southern hemispheres
2. A reference point for longitudes that passes through Greenwich, England.
3. A line at the 180 degree meridian
4. Lines that run north and south and determine locations east or west of the prime meridian
5. Lines that run parallel to the equator and determine north and south of the equator
6. Science of mapmaking

**Column II**

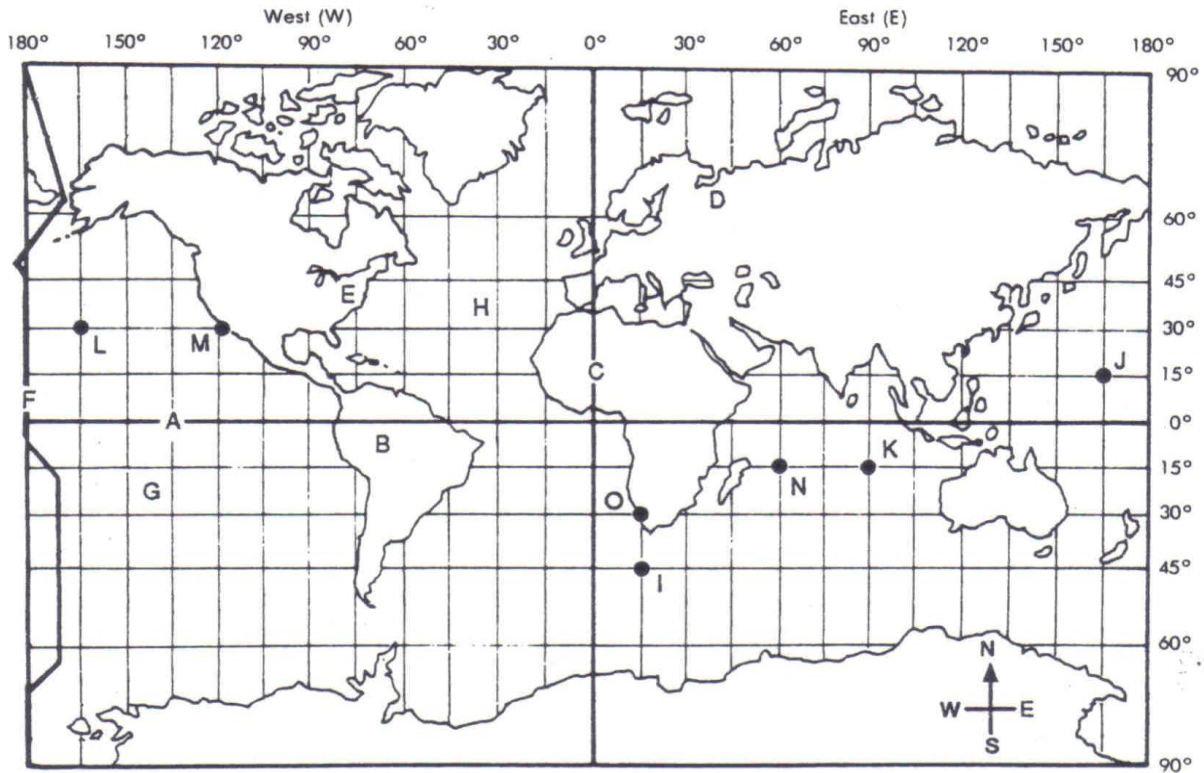
- A. Latitude
- B. longitude
- C. prime meridian
- D. equator
- E. International Date Line
- F. Cartography

*Use the words in the box to Fill in the blanks.*

<b>15</b>	<b>one</b>	<b>24</b>	<b>nighttime</b>
<b>Spinning</b>	<b>Gained</b>	<b>lost</b>	<b>longitude</b>

When it is daytime for half of Earth, it is \_\_\_\_\_ for the other half. Time is always changing because Earth is constantly \_\_\_\_\_ Earth is divided into \_\_\_\_\_ time zones. Each division is \_\_\_\_\_ degrees wide and has a \_\_\_\_\_.-hour difference in time from the previous 15° meridian. A meridian is a line of \_\_\_\_\_ . At the International Date Line, one day is \_\_\_\_\_ going west, and one day is \_\_\_\_\_ going east across the line.

### Viewpoint continued



- |                                  |   |
|----------------------------------|---|
| _____ 7. equator                 | _____ 11. 45° south latitude                      |
| _____ 8. prime meridian          | _____ 12. 165° west longitude                     |
| _____ 9. International Date Line | _____ 13. 15° south latitude, 60° east longitude  |
| _____ 10. 90° east longitude     | _____ 14. 30° north latitude, 120° west longitude |
| _____ 15° north latitude         | _____ 15. 30° south latitude, 15° east longitude  |

***The map shows longitude in the 15 degree increments that are approximate to the time zones. Use the lines of longitude to estimate the time for the following places.***

16. You're at point B on the map. It's 7:00 A.M. What time would it be at point E? \_\_\_\_\_
17. You're at point H on the map. It's 5:00 P.M. What time would it be at point G? \_\_\_\_\_
18. You're at point H on the map. It's 7:00 P.M. What time would it be at point D? \_\_\_\_\_
19. You're at point J and you travel eastward to point L. Do you lose or gain a day? \_\_\_\_\_