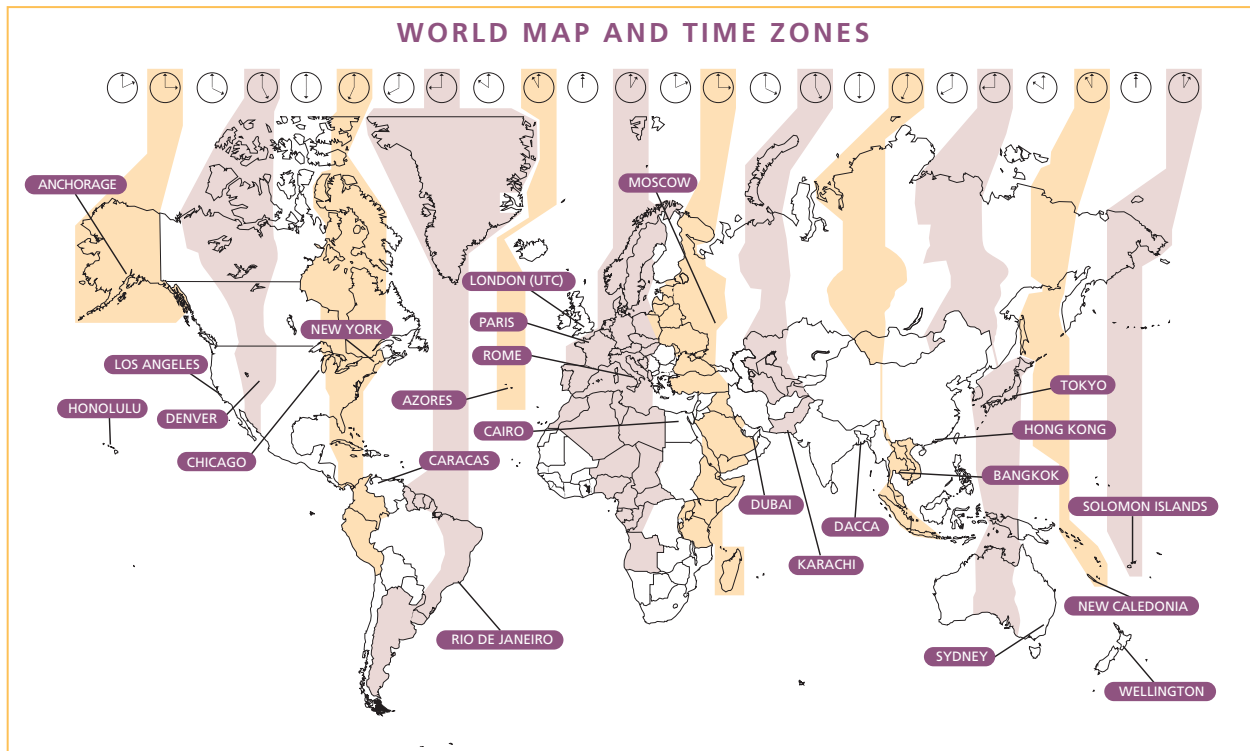


NAME _____

Do you have the time?

People come to the Games from all over the world, but most stay home and watch the competition on television or the Internet. Everyone wants to see the events as they happen, but that is not possible.

Why can't all countries watch the Games at the exact moment of competition?



History of Time Zones

Prior to the 1840's, people kept their own time, using the sun's position to tell the time of day. As people traveled farther in shorter periods of time, it became necessary to develop a more accurate system of keeping time.



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Because Greenwich, England, was home to an important British naval center, it became the standard from which time was measured throughout England, Europe, and eventually the world. Today, the world's time zones continue to be measured by the time difference from Greenwich Mean Time (GMT).

Salt Lake City resides in the United States' Mountain Time Zone, which is $-7:00$ GMT. So, if it is 6 p.m. in Greenwich, it is 11 a.m. in Salt Lake City. (That is, 7 hours earlier than 6 p.m. in Greenwich is 11 a.m. in Salt Lake City.)



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Using the chart below, calculate the times for each city listed. Use the bottom of this page to perform your calculations.

-7:00 hours	0:00 hours	-10:00 hours	-3:00 hours	+3:00 hours	+5:30 hours	+11:00 hours
Salt Lake City	GMT Greenwich Mean Time	Honolulu, Hawaii	Rio de Janiero Brazil	Moscow, Russia	Calcutta, India	Sydney, Australia
11:15 p.m.						
7:30 p.m.						