

## Time Zones

The earth rotates in a \_\_\_\_\_ direction when you look down on it from the North Pole. This means that the sun appears to rise in the \_\_\_\_\_ and appears to set in the \_\_\_\_\_. It takes approximately \_\_\_\_\_ hours for one rotation of the earth. There are \_\_\_\_\_ degrees in the circumference of the earth, therefore, the earth rotates through \_\_\_\_\_ degrees in one hour. As a result there are \_\_\_\_\_ one hour time zones spaced out around the earth, each covering about \_\_\_\_\_ degrees. The equatorial circumference of the planet is approximately \_\_\_\_\_ kilometres, which means that a person standing on the equator is travelling at about \_\_\_\_\_ km/hr! (No...the earth will not stop spinning and hurl you!!)

You can tell that it is 12:00 noon at 0° latitude and 0° longitude in the spring and fall because

---



---

If it is 12:00 noon at 0° latitude and 0° longitude, what time is it at each of the following locations?

Latitude	Longitude	Local Time
0°	90° E	
0°	90° W	
0°	180°	
30° N	0°	
60° N	0°	



As a result, lines of longitude are also known as \_\_\_\_\_ or \_\_\_\_\_. Time lines do not always follow lines of longitude. This may happen because of \_\_\_\_\_ or \_\_\_\_\_.

If it is 12:00 noon at 0° latitude and 0° longitude, all the places to the east are in the \_\_\_\_\_, which stands for \_\_\_\_\_. All places in the west are in the \_\_\_\_\_, which stands for \_\_\_\_\_.

What happens to the length and direction of your shadow (0° lat/ 0° long) from 6:00 am to 12:00 noon?\_

---

12:00 noon to 6:00 pm? \_\_\_\_\_

The Time Zones of Canada (from east to west) are:

---



---



---

As you travel from east to west you set your watch \_\_\_\_\_ in time?

# Geography of Canada

## CGC 1DI (Academic)



Complete the time zone map of Canada, and fill in the following chart:

IF THE TIME IS...	THEN THE TIME IS...
7:00 in Victoria	in Quebec City
8:00 in Yellowknife	in St. John's
11:00 in Fredericton	in Whitehorse
11:30 in St. John's	in Toronto
9:00 in Regina	in Ottawa
7:00 in Victoria	in St. John's
8:00 in Halifax	in Edmonton
11:00 in Charlottetown	in Fredericton
9:00 in Winnipeg	in Whitehorse
9:30 in Toronto	in Edmonton
12:00 in Iqualuit	in Toronto

