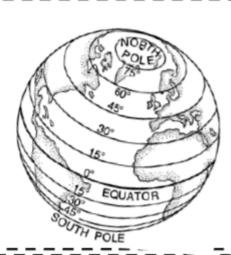
## CLIMATE FACTOR

## WHAT IS CLIMATE?

Think about the climate in the area that you live. Is it typically warm and dry? Is it cool and wet? Or do you live in an area that has different conditions depending on the season? Climate is the general weather of an area over a \_\_\_\_\_ period of time and includes seasonal changes in \_\_\_\_\_\_. The terms CLIMATE and WEATHER are NOT the same thing! Recall that weather is simply the conditions of the atmosphere at a particular \_\_\_\_\_ and \_\_\_\_ and can change \_\_\_\_\_ and frequently. Climate is a more general snapshot of the weather conditions over a long period of time. There are several factors that affect the climate of an area.

Latitude is the distance (measured in	LATETUDE
degrees) of a location or	·
south of the Places	200
closest to the equator are generally	2( )5
because they get more	
direct	
Different correspond	
to specific latitude regions.	





	altetude
above	impacts climate.
There are molecular	ules of air the
up you go. So, the	ere are fewer molecules
to absorb heat and temperature	s are at
higher elevations. Temperatures	go down about 3.3°F for
every 1,000 feet or 6°C for eve	ery 1,000 meter increase
in elevation.	_
•	



] 	WATE	R VS.	LAND
	than land to I cool down. There is rature in coastal areas.		

, OCEAN C	FURRENTS	``\
Waters of the world's oceans are always on the		
and impact weather		A.S.
Global ocean currents affect coastal climates.	The contract of the contract o	in the state of th
are the pattern	73	74
ocean currents move in.	The state of the s	{ \
	1 3	1
: Earth rotates from		7
tothe		
path of the winds. If the Earth didn't rotate, wind would blowtoward the	1 Comment	
► Winds curve because of Earth's		
`		^
,´		\
The uneven heating of Earth by the		
creates global wind patterns. Wind is formed		
when air moves from an area of		
pressure to an area of pressure.		
	Sand 100°F	Water 71°F
The is a narrow band of	moving air that encircles the	
Earth. A jet stream forms at the boundaries between	and air	
masses. Jet streams move from the west to east because of	of Earth's	
	 ORMS	=====(
Mountains affect patterns. Mountains have a		
rainy side and a dry side. Warm, moist air As it		
rises, it cools and then condenses forming The	and the same of th	
air is then and there is no more moisture in it, so	and the second	
the other side of the mountain is left dry, forming what is	www.	
known as a		