

NAME: \_\_\_\_\_

DATE: \_\_\_\_\_

## SEASONAL CHANGES

Approximate Date	Northern Hemisphere Name(s)	N. / S. Hemisphere Season Beginning	NY Sunrise Direction	NY Noon Sun Direction	NY Sunset Direction	NY Altitude of Noon Sun	What's Tilted Towards the Sun	Latitude Where Noon Sun is at Zenith	Latitude Direct Rays of Sun Hit Earth
3/20	(two names)	Northern							
		Southern							
6/21		Northern							
		Southern							
9/22 or 9/23	(two names)	Northern							
		Southern							
12/21		Northern							
		Southern							

Approximate Date	NUMBER OF HOURS SUN IS ABOVE AND BELOW THE HORIZON AT DIFFERENT LATITUDES (Do ABOVE 1 <sup>st</sup> !!)																		
	90°S South Pole		66½°S Antarctic Circle		41°S		23½°S Tropic of Capricorn		0° Equator		23½°N Tropic of Cancer		41°N NY		66½°N Arctic Circle		90°N North Pole		
	above	below	above	below	above	below	above	below	above	below	above	below	above	below	above	below	above	below	
3/20																			
6/21																			
9/22 or 9/23																			
12/21																			

by Charles Burrows