

Name \_\_\_\_\_

Date: / /

### Notes: The Seasons

#### Paths of the Sun

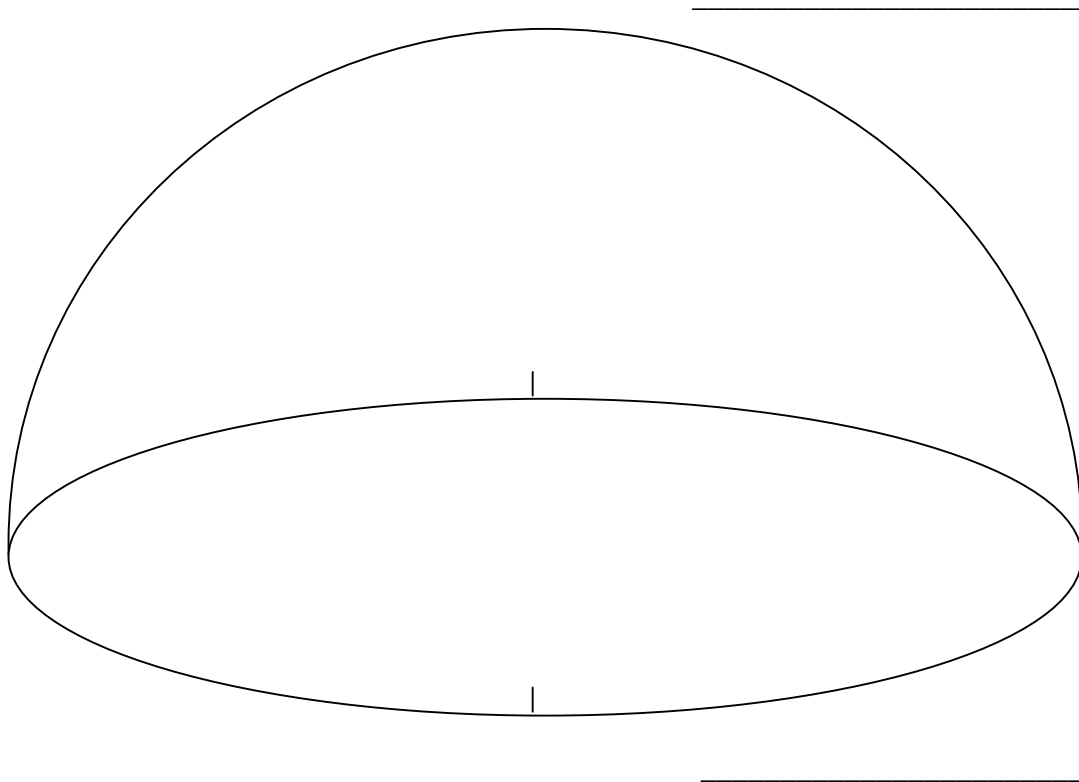
What is New Paltz's approximate latitude? \_\_\_\_\_

How can latitude be used to determine Polaris' altitude? \_\_\_\_\_

So, what is Polaris' altitude as seen by someone in New Paltz? \_\_\_\_\_

How can latitude be used to determine the angle of sunrise/set? \_\_\_\_\_

So, as seen in New Paltz what angle does the sun's path make with the horizon as it rises/sets? \_\_\_\_\_



Day	Solar Noon Altitude	Angle of Sunrise/Set	Angular Length	Daylight Hours
Equinoxes ( )				
Summer Solstice ( )				
Winter Solstice ( )				

From the winter solstice to the summer solstice the sun's altitude becomes \_\_\_\_\_, the length of its path \_\_\_\_\_, and the length of day \_\_\_\_\_.