

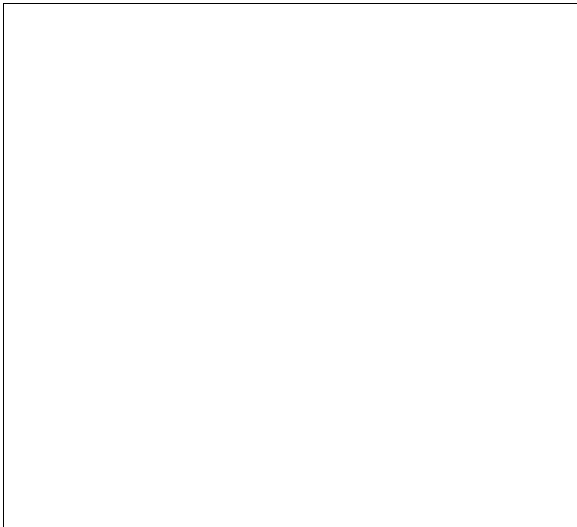
Name: _____

Class: _____

Date: _____

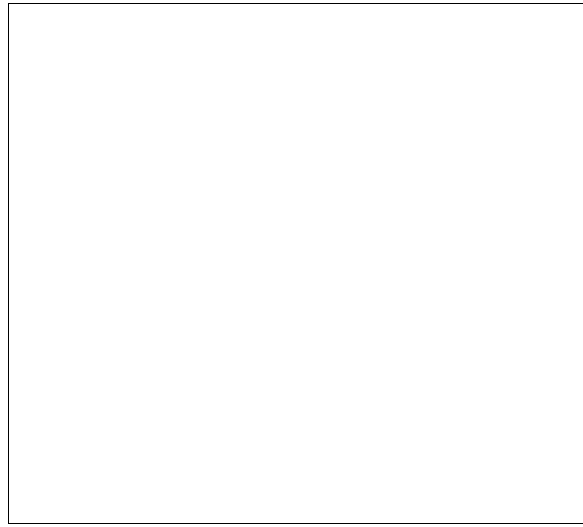
Solar Observations: Documenting Sunspots Over Time

We will make a series of solar observations on different days. It is important that you draw the solar projection from the screen and **NOT TO LOOK AT THE SUN DIRECTLY!** Use a pencil and represent the sun and sunspots as accurately as possible.



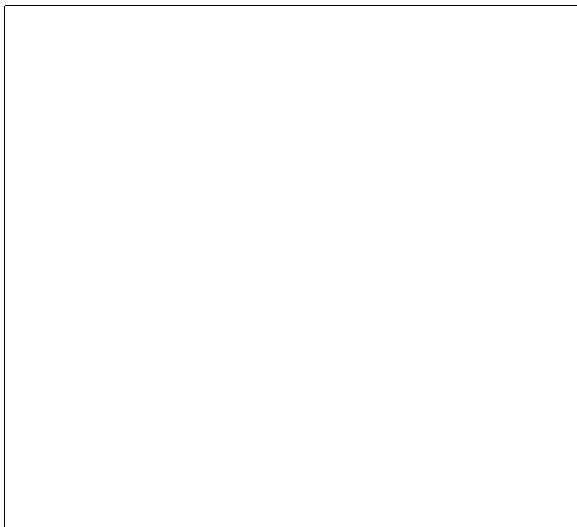
First Obs. - Date/Time: _____

Number of Sunspots: _____



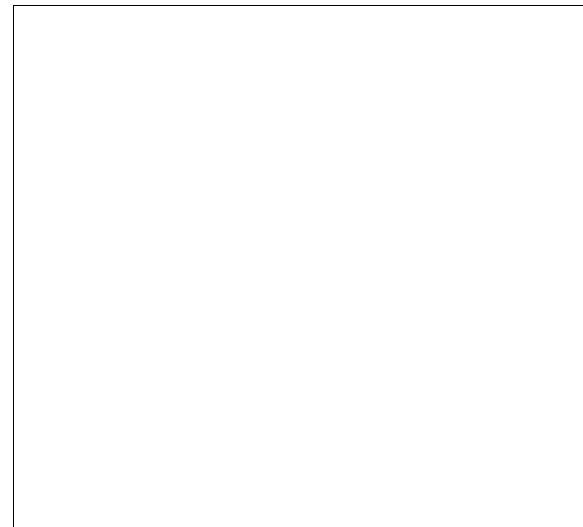
Second Obs. - Date/Time: _____

Number of Sunspots: _____



Third Obs. - Date/Time: _____

Number of Sunspots: _____



Fourth Obs. - Date/Time: _____

Number of Sunspots: _____

Name: _____

Questions To Ponder:

1. What have you begun to notice about the sunspot frequency from your observations?
2. What direction do the sunspots appear to be moving? Cw or ccw?
3. How fast are the sunspots moving (km/s)? (Show your work at the bottom of the page.)
4. Where in relation to the Sun's equator do the sunspots appear?
5. How many separate sunspots were you able to observe?
6. Using the Internet or any other resource, are we currently at a sunspot cycle max or min? Are we headed toward a max or min?
7. From the list or your own imagination, what project are you considering pursuing?

Please Write In This Area: Notes/Work/Comments/Insights