

**ACTIVITIES:**

1. Pre/Post Assessment  
*Student worksheet to assess the student's prior knowledge of the Sun and sunspots.*
2. Background information on the Sun and sunspots  
*Read and discuss the NASA booklet Our Very Own Star: The Sun listed in the Internet Guide. See Internet sites #1, 5, 10, 11, 12, 14, 15, and 16, page 22.*
3. What is the Sun?  
*Student worksheet to review basic facts about the Sun—its type, shape, distance, and size.*
4. Helpful and Harmful  
*Student worksheet to discuss the helpful and harmful effects of the Sun.*
5. Making a Homemade Sunspot Viewer  
*Teacher worksheet that gives directions on how to assemble and use the sunspot viewer. The class needs to complete this activity with teacher direction. Teacher should then save the tracing sheets in order to complete the sunspot viewer review.*
6. Sunspot Viewer Review  
*This is a teacher-led discussion of the tracings of the Sun and the sunspots. See Internet site #9.*
7. Sunspot Flip Book  
*The teacher should precut the Sun pictures and the students could then assemble the booklet themselves or just lay them in numerical order on the table. See Internet site #3.*
8. Sunspot Flip Book Journal  
*This worksheet could be used by the teacher to lead a class discussion of the results from the Sun and sunspot drawings.*
9. Sunspot Numbers  
*Student worksheet that demonstrates the 11-year cycle of sunspots. For the younger students enlarge this chart and data table and complete this activity with the whole class. Individual students could then come to the board and add the correct data to the chart.*