SCORE (5 pts max)	

ASTRONOMY 5 THIRD HOUR SESSION "F" ACTIVITY: The Sun	NAME	KEY - F		
	DATE		ID#	

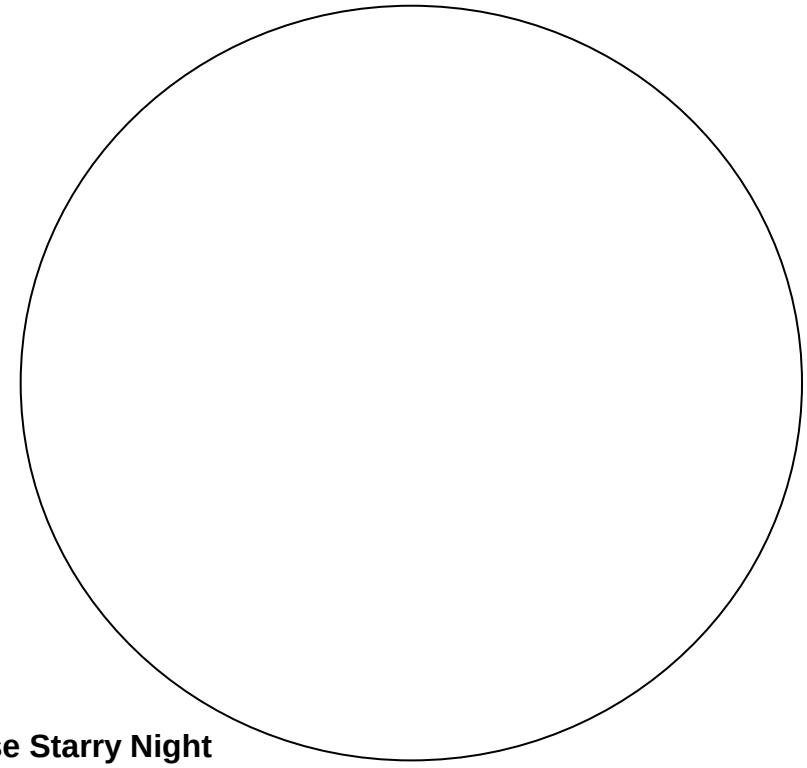
1. **What is the visible part of the sun called?**

Photosphere

2. **What is the name of the white crown which surrounds the sun – often seen during a total solar eclipse?**

Corona

3. **Go to the website __https://umbra.nascom.nasa.gov/newsite/images.html___. Scroll down until you find the solar image labeled __Intesitygram_. Make a sketch of the current sunspots below…**



Question 4-8 use Starry Night

4. **Go to Starry Night and set it for the Friday's date for 12 noon. When will the Sun set on Friday night and when will rise Saturday morning? Must set city to Sacramento first.**

6:40 pm	7:05 am (± 2 min)

(Questions continue on back)

5. **Using Starry Night again, what constellation is the Sun in for the date in Question 4?**

Virgo

6. **Using Starry Night again, what time for the date in Question 4 will the sun be at its highest altitude?**

12:53 PM PDT

7. **Using Starry Night again, set the clock to the time as determined in the previous problem. What is the altitude and azimuth of the Sun (to the nearest degree)?**

46	**180**

8. **Using Starry Night again, now set the date to _June 30__ and the time to noon. What time does the sun reach its maximum altitude on this day? Is this time the same as in Question 6 (to within a minute)?**

1:09 PM PDT	**no**

9. **Now go the web site __ https://eclipsewise.com/eclipse.html#SElinks __. When is the next total solar eclipse that passes through _the US_? Will the path of totality pass through _California_?**

April 8, 2024	**no**

10. **Now go to the website __https://en.wikipedia.org/wiki/Sun_. What's the 3rd most common gas in the Sun?**

Oxygen

11. **On the same website, what is the temperature of the layer that is asked about in Number 1?**

5778 K (About 6000 K is OK)

12. **On the same website, find another interesting fact about the sun**

Many answers are possible here.