



Activity Based Science

Name _____

Computer Activity - The Sun

Period _____ Table _____

Instructions: You are to go to the web site: <http://www.michielb.nl/sun/kaft.htm>

This is a web site that will allow you to take a Virtual Tour of the Sun. As you follow the directions within the site, fill in the blanks as you go. The fill-ins are in order.

*In every second, the Sun spends 700 billion tons of protons (_____).

*About half of the amount of Hydrogen in the core of the Sun has been fused into _____.

*The _____ (surface) is the thing you see when you look at the sun.

*The _____ can be seen as a red glow just around the Sun.

[Solar flare insert]

*Particles from the solar flares cause _____ lights, cause interference in _____ reception, and mess up the navigation of _____.

*Because the _____ is so thin, you can only see it during a _____ eclipse.

*The temperature of the corona is very high: (about a _____ degrees)
The corona is so hot that it emits light at _____ wavelengths.

*How can the surface of the sun be 'only' _____ degrees, while the area about it is much hotter?
It probably has to do with the complicated _____ fields of the sun.

*The _____ is a constant stream of particles that fly from the sun with a temperature of about a million degrees.

[Do the following]

*On "The Sun's Influence on the Earth" page, make sure you make an enlargement of the Space Shuttle picture and view the Northern lights as seen from the Shuttle. What do you "feel" (think) when you see of this picture of our earth from space?

{ _____
_____ }

*Astronomers use these sun life-cycle diagrams a lot, and they are called _____ - _____ *diagrams* after the two astronomers who invented them.

*This is the end of the solar system: A _____, with the ashes of the planets circling around it.