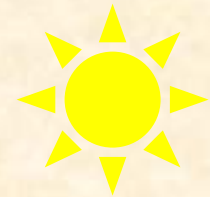


<b>Sun/ Earth</b>	<b>Sun/ Earth</b>	<b>Sun</b>	<b>Sun</b>	<b>Earth</b>	<b>Hodge Podge</b>
<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>
<u>300</u>	<u>300</u>	<u>300</u>	<u>300</u>	<u>300</u>	<u>300</u>
<u>400</u>	<u>400</u>	<u>400</u>	<u>400</u>	<u>400</u>	<u>400</u>
<u>500</u>	<u>500</u>	<u>500</u>	<u>500</u>	<u>500</u>	<u>500</u>

Transfer of energy  
through empty space



Time it takes for  
light to reach the  
Earth



Ionized gas is called

\_\_\_\_\_, the 4<sup>th</sup> state

of matter



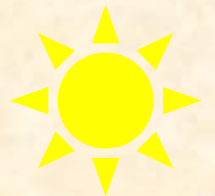
Particles that escape  
through coronal  
holes and reach Earth  
in several days



These create  
the strongest  
geomagnetic storms



Loops of ejected  
material from the  
photosphere



Solar flares and  
prominences tend  
to follow \_\_\_\_\_  
activity.



2 donut shaped regions  
in the magnetosphere  
containing trapped  
ionized particles



When solar wind  
hits the  
magnetosphere it  
creates a \_\_\_\_\_.



This can eject 10  
billion tons of plasma



The layer of the  
Sun that we see



Solar radiation  
originates in the  
           of the Sun





What is the average  
rotational period  
for the Sun?

What is the  
surface temperature  
of the Sun?



What is the layer  
of the outer solar  
atmosphere called?



The sun's interior  
is determined by  
looking at \_\_\_\_\_.



Hydrogen is fused  
into \_\_\_\_\_ in the  
core of the Sun



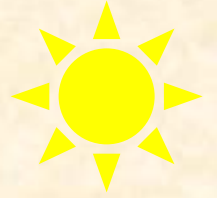
The sum of mass and  
energy must always  
remain constant in  
any physical process



Radiation produced  
in the core reaches  
the surface of the  
Sun by \_\_\_\_\_.



What is a visual



indicator of the

convection motion

beneath the Sun's surface?

Imaginary lines

that run from the

north to south

magnetic poles




Region around the  
Earth in which the  
Magnetic field is  
significant



Layer in the upper  
atmosphere contain-  
ing ionized gases



Created when particles  
Following magnetic   
field line intersect with  
the Earth's atmosphere

Geomagnetic storms

can disturb \_\_\_\_\_,

\_\_\_\_\_, and \_\_\_\_\_ on

the Earth.



Relatively cooler  
areas on the  
photosphere



The average number  
of sunspots reaches  
maximum every \_\_\_\_.




The lower part of  
the solar atmosphere  
is called the \_\_\_\_\_.



Small solar storms  
eject hot matter  
called \_\_\_\_\_, into  
the upper  
atmosphere.



Absorption spectra

indicate the presence 

of \_\_\_\_\_ elements in

the lower atmosphere.