

NAME\_\_\_\_\_HR\_\_

Sun-	star that is average		and average
	& is	than ave	erage
A. SUN PH	ENOMENA		
1		,	area on the sun
[like a t	icking time boml	o that will	someday]
a) Happ	ens in an	cycle—cal	led the Cycle of Solar

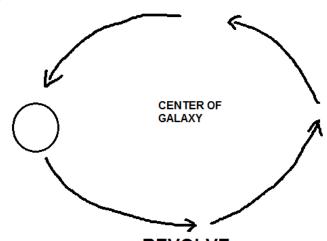
- b) Caused by \_\_\_\_\_ and the c) At the end of a cycle, the sun's poles get \_\_\_\_\_ and the twisting starts all over again
- d) Cycle labels:

Activity

- (1) Sunspot \_\_\_\_\_ largest number of spots (several per \_\_\_\_\_)
  (2) Sunspot \_\_\_\_\_ fewer sunspots (1 every two \_\_\_\_\_)
  e) Sunspots showed us that the sun \_\_\_\_\_ on an axis
- - (1) Equator--- \_\_\_\_-day rotation
  - (2) Poles--- \_\_\_\_-day rotation
  - (3) \_\_\_\_ million year revolution



(SPIN IN PLACE)



REVOLVE (GO AROUND SOMETHING)

2.	Solara				
	magnetic storm that explodes $  \langle \uparrow \rangle \rangle$				
	particles and gases \\\\\				
	out from the				
	surface of the sun				
	a) Messes up,				
	, and				
	b) Flares interact with earth's				
	making auroras				
	(1) Aurora borealis-				
	(2) Aurora australis-				
	[ neutrinos from solar flares follow magnetic toward				
	the poles, then charged particles with particles in				
	ionosphere creating is claimed by some as				
2	well]				
3.	- massive shaped explosion of				
	and that erupts from the surface of the				
1	sun AKA coronal mass ejections ()				
4.	loop- gases held up in aloop- reach				
5	romto sunspot				
٦.	Solar wind —  a) stranging alastrically shared				
	a) streaming electrically charged that constantly assume from the Sun through coronal holes				
	that constantly escape from the Sun through coronal holes,				
	which are weak spots in the Sun's field.				
	b) It is and much than Earth's wind.				
	c) Solar wind is traveling at about 1 miles an hour by the time it gets close to Earth.				
	by the time it gets close to Latti.				

	d) If it on the Eart , but Earth's ma		
B. <u>S</u>	the planet.  SUN'S INTERNAL STRUCT	TURE ~~	~~
1.	occurs he <b>zone</b> - electroma	ere	
	waves (energy) like a pinball, taking a years to	around 6 2	
3.	and cold		
5.	of the sun - the		
6.	(see)(crown)- the atmosphere (through		ın's
	How FUSION works:		
1	<ol> <li>Hydrogen and hydrogen</li> <li>in the core.</li> </ol>	to make	<b>)</b>
2	2. Tiny bits of an	re transformed into	enormous
b	3. Particles and dangerous ion bounce around like a pinball makes trying to get	nachine for 1	

4. Once it finally gets to the	sun's, it has
transformed into much safer	electromagnetic waves –
(heat) and	(light).