<u>S</u>	<u> FAR NOTES- (</u>	CH 25 NAI	ME	HR	
<u>ST</u>	'AR'- hot glowing sp	here of	tha	at produces energy	by
1]		<u>year</u> —distance li	ght	in a year	
	(trillion km,	trillion n	niles)		
2]	Star brightness				
	A) Absolute	th	ie	brightness of a	a star
	B) Apparent		w bright a st	carto	be
3]	Formation of stars				
	A)	(cloud of dus	t and gas) co	ollapses under its o	wn
	B) A	forms- it is not fusing yet, just hot			
	C)	in core causes	5	to reach 10	,000,000 c
	D)	begins and a _		is born	
4]	How stars are foun	d			
	A)	by itself (our sun)			
		2 stars orbiting each other			
		100's or 1000's of stars held together by			
			d eye sees this as 1 point of		
5]	Star composition				
			<u>spectrum analysis</u> - compare a star's		
				spectrum (its finge	erprint)
	B) The elements up				ovalacions
	c) The elements in	eavier triair iron a	ii e iiiaue iii ₌		_explosions
6]	Star temperature				
	A)				
	B)				
	C)				
	D)				
	E)	degrees c=			

7] <u>Hertzspru</u>	ng- diagramsee	e handout	
A) <u>Star life</u>			
1)	dwarf- lasts	of years (small car- small	
	but great gas mileage)		
2) Sun	last	of years (mid sized car-	
	um tank, medium mileage		
3)	giant- el, but uses it up very quickly)	of years (gas guzzier- nuge tank	
OI TUE	ii, but uses it up very quickly)		
B) <u>Star dea</u>	<u>ith</u>		
1) Red _	swell into red	then shrink into a	
white	<u> </u>		
2)	class- swell into	giant then shrink into a	
	dwarf		
3) Blue	swell into	giant then	
a)	ones explode into	a (new nebula +	
neu	tron star) performing	, which makes all atoms past iron	
b) L	arge ones shrink into a		
8] How stars	work		
A] hydro	ogen andfuses to r	makein the core	
B] tiny b	oits ofare transformed	into	
-	amount of energy is		
	gy transforms intoand		
	at the surface		
	at the sames		
9] Forces in s	tars	→	
_			
	out	^	
D)	in		
When force	es arestar is "		
• When mass	sthere is less	, thus fusion	
	it		
	slows down, gravity for	ces start toagain	
and	the star		