Name:_		
Hour:	Date:	

Chapter 25.1 Properties of Stars Part 1

Characteristics	of Stars
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A	is an	grou	ıp of
0	riginally named for	(characters. The sky
contains		•	
We will discuss th	ne following	of	
4			
lor and Temperat	<u>ture</u>		
	is a	to stars	
S	tars with a surface		of at least
	hot stars with		of 5000K-6000K are
	like our		
<u>Stars</u>			
Sometimes	stars _	each	they are calle
Sometimes When			
Sometimes When		is one of two	revolvir
Sometimes When A	a common	is one of two of	revolvir
Sometimes When A mutual	a commona	is one of two of attraction.	revolvir under th
Sometimes WhenA mutual	a commona than	is one of two of	revolvir under th in our
Sometimes When A mutual	a commona than	is one of two of ottraction. of the	revolvin under th in our
Sometimes When A mutual ass	a commonathanoccur in	is one of two of of ttraction. of the or	revolvir under th in our multiples.
Sometimes When A mutual ass	a commonathanoccur in	is one of two of ottraction. of the	revolvir under th unditiples.
Sometimes When A mutual ass	a commonathanaoccur in	is one of two of of ettraction. of the or are used to	revolvir under th under th under th under th multiples.

Stars Distance from Earth

		_is the slight		_ of the	
position	n of a	due to th	ıe	motion o	f
The nea		the largest are too small to me			, whi
111030 0	r distant stars o	Te too sman to me	.asarci		
A <u>light-</u>	year is the dista	ance light travels ir	า a	, abou	t 9.5
		_ kilometers. Light	t-years are used to	o measure	
		_ in	•		
r Brightn	<u>ess</u>				
		<i>magnitude</i> is the		of a	_ when
		the		brightness	of a
		from	·		
		it is			
		it is			
	how far	a	way it is		
		<i>magnitude</i> is the	e	brightness	of a
		e f			
	·				
	·				
sprung-R	ussell Diagram	diagram	the		between
sprung-R A Hertz	ussell Diagram sprung	diagram _ magnitude ar			
sprung-R A Hertz the	ussell Diagram sprung-	magnitude ar	nd	of	<u></u> .
A Hertz the A <i>main</i> -	ussell Diagram sprung-	magnitude ar is a star that	nd	of	<u></u> .
A Hertz the A <u>main-</u> categor	ussell Diagram sprungsequence star if yon the H-R di	magnitude ar is a star that	nd of	of _ into the main s and	 sequence runs

H-R Diagrams and Stellar Evolution

•	H-R diagrams have been stellar evolution.	en helpful in form	nulating and		models of
	They are also	for		the ch	langes that take
	in an _				
•	A giant is a	,	star of	<u> </u>	luminosity; it
-	A supergiant is a very I				
	luminosity; it occupies				
/arial	ole Stars				
	Variable stars				
_		ic a	whose		varies
	A <u>Cepheid</u>	is a hecause it	wnosc		· it is a type of
	star		unc		, it is a type of
	A is a star	that	increa	ses in brie	zhtness.
					5
nters	tellar Matter				
•	<u>Interstellar Matter-</u> Th	e	between s	stars.	
	A <u>nebula</u> is a cloud of _		and/or		in chaco
_	A <u>Hebulu</u> is a cloud of _		and/or		III Space.
	There aren	naior	of	•	
			01	•	
٠.	☐ <u>Emission nebul</u>	g-made of	a	nd emits	florescent light.
		<u>s</u> aac o	· ~		morescent ingine.
	☐ Reflection nebu	<i>la</i> -made of		and refle	cts light from nearby
	stars.				,
2.		Not	enoug	h to a	to be
	up.				