## FORMATION OF STARS

name	hr
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Complete the concept map on the formation of a star using the following terms: atoms, center, dense, dust (2 times), energy, friction, fusion, gas (2 times), gravity (2 times), heat, helium, hydrogen, outward, planets, star

	in a n		
		<b>1</b>	
	and gas	in the cloud become causing atoms to be	
The closer the a	toms get, the more the	ey rub together caus	ing
Fric	tion between more	genera in the co	
	e reaches 10 million de ed into		atoms
Energy from the	epr	ocess in the core rac	diates
Now that the	fusion reaction is fully	y operating, a	is born.
Any leftover from the	e new star and may fo	and rm pulls it toget	gets pushed away in the future her.

In	the space provided, write the word or words that best complete(s) the sentence.					
1.	. Stars are powered by a process called					
2.	. In fusion, four hydrogen atoms combine to make one	_atom.				
3.	. Fusion occurs in the of stars.					
4.	. When hydrogen atoms fuse, some mass is converted to	_				
5.	. Stars produce different light spectrums because they contain different	·				
A	nswer the following question in complete sentences.					
6.	6. A student sees a bright star that he knows astronomers call Little Star, and he sees a dim star that he knows astronomers call Big Star. How can the dimmer star actually be bigger than the brighter star?					
7	How does your percention of the size of a code handlights shown as as you watch	it two yel to yyoud				
7.	How does your perception of the size of a car's headlights change as you watch you?	it travel toward				
8.	Explain how a scientist can tell us what elements are found in stars when they been there to take samples.	have never even				

NAME\_\_\_\_\_\_DATE \_\_\_\_\_CLASS \_\_\_\_\_

**OBSERVING STARS**