ame	_ Date	Class
ements and the Periodic Table	Guided Readin	ng and Study
lements From Stard	lust	
nis section explains how elements form	n inside stars.	
se Target Reading Skills		
s you read about how elements are forn eps in the process	med in stars, fill in t	he flowchart to show the
Formati	ion of Elements	
Hydrogen nucle	ei fuse, forming heliu	ım.
Helium nuclei f	use, forming berylliu	
a		
		
b		
Ow Elements Form in Stars Describe plasma		
. Describe plasma.		
2. The process in which two atominucleus, releasing huge amount		O O
	o incido etara?	
villat does nuclear fusion create	e miside stars?	

Nar	ne	Date	Class			
Elements and the Periodic Table •		Guided Reading and Study				
4.	What is the fuel that powers the	sun?				
5.	Circle the letter of the element that is produced when hydrogen nuclei fuse.					
	a. heliumb. berylliumc. carbond. oxygen					
6.	Two helium nuclei fuse to form a nucleus of					
7.	What nuclei fuse to form oxygen?					
8.	Is the following sentence true or false? Stars the size of the sun can produce elements heavier than oxygen.					
9.	What is a nebula and how does it form?					
Ele	ments From Large Stars					
10.	In stars more massive than the su almost all		nues until the core is			
11.	What is a supernova?					
12.	A supernova provides enough er that create the heaviest		clear fusion reactions 			