		2 He
	_	100 (Stapleton)  Name:  Name:
$\bigcirc$	1.	What process gives stars their energy?  Nuclear Fusion  Volume  (Sa)
	2.	What is a star's main fuel?  Hydrogen  density weight  I A3 A1
	3.	What new substance is produced inside a star when that fuel is used up?  Helium
	4.	Put these star life stages in order, from earliest to latest:
*		Main Sequence Star, Protostar, Nebula, Red Giant, White Dwarf, Black Dwarf
	5.	Nebula, Profis star, Main Sequence Red giant White dwarf Black Describe the source of energy for each of these stages in a star's life:
0	(	a. Red giant Hydrogen fusing outside the star's core
		b. White dwarf  Compression
		c. Main sequence star Hydrogen fusing in the Star's Core (center)
	6.	a. How is a star's temperature related to its mass?  More mass >> Hotter
		b. Explain why a star's temperature is related to its mass in this way.
		More wass => more pressure
	7.	Where does the helium in a medium star end up, and why does it go there?
		He goes sinks to the center core because it more dense than
	8.	When our Sun becomes a red giant why will it turn red? hy olvagen.
$\mathcal{O}$		It will cool down

*3	When our Sun becomes a red giant why will it get bigger?  Center is filling with helium, so	$\bigcirc$
		_/
$\sim$	the fusing hydrogen is moving outward  When our Sun becomes a white dwarf why will it turn white?	
10.	While I our becomes a write await why with tall white:	
	It heats up (white is hotter)	
14.1	Approximately how many years does the 8un have before it turns into a red giant?	
	5/1/1/	
10	Puiz Soillian	
12.	When the Earth was first forming, it wasn't massive enough for gravity to cause its pieces to	
	attract one another. According to the video we watched, what force caused the tiny bits of dust to	
	clump together?	
	Static Electricity	$\sim$
13.	The early Earth was molten and did not have layers.	$\bigcup$
yst .	What does molten mean?	
Duit 1	Wested bould	\
	b. How did Earth's layers (core, mantle, crust, etc.) form?	))
7	hey separated according to density  (densest in the core)  What caused the Earth's surface to cool and harden?	/
//14.	(densest in the care) What remand the Earth's surface to seel and hardon?	
/ 14.	Cos/ness of space	
15.	What type of rock samples did scientist use to find the age of the Earth?	
10.	Meleorites	
16	Where do scientists think the Earth's water came from?	
	Meteorites	
17	Where do scientists think the Earth's first oxygen came from?	
Ì	Blue-green alge; Cyan obacteria	
18.	Where did all of our coal, oil, and natural gas deposits come from?	
	Decaying plants	