MOVIE-The life and death of stars NAME______HR ____ 34

https://www.youtube.com/watch?v=4xIQGbYur9Q&t=12s

1.	Stars live for millions or	of years.		
2.	The energy released by fusion counteracts	crushing inwa	ard.	
3.	How many Jupiters big do you have to be to become a small star?			
4.	Gravity causes the gas cloud to contract until	begins.		
5.	Fusion continues as long as there is	to fuel it.		
6.	When hydrogen runs out, the	then shrinks and gets hotte	er.	
7.	The outer layers are then	out away from the core.		
8.	The star is now a giant.			
9.	The red giant can now fuse			
10. It swells again until a last burst of energy ejects the outer				
11	. The tiny core is the size of			
12	. It contracts more and is called a	dwarf star.		
13	. The ejected shell is called a planetary			
14	. More means more gravi	у.		
15	. Hotter temperatures means	fusion.		
16	. This star will be hot big bright and			
17	. High mass stars live only 10 to 100	years.		
18	. As fuel runs out, the core	<u>.</u> .		
19	. The core can fuse all the way up to the	iron.		
20	. The iron nuclei are stable and will	fuse.		
21	. Then in a single second, the star	onto itself and then		
	outward.			
22. A creates all the elements heavier than iron.				
23	. Supernovae are brighter than the entire	they belong to.		
24	. One teaspoon of a white dwarf weighs	tons.		
25	. The core of larger stars contract so much that	are squee	zed into protons (making	
).			
26	26. A teaspoon of a star would weigh ten million tons.			
27. If the core is above 3 solar masses, the neutrons will be crushed together into a				
	hole.			
28	. A black hole will not even let	escape.		
29	. All stars have a red pha	e.		
30. Low mass= dwarf.				
31	. Intermediate mass= stai			
32	. Especially high mass= black			