

Name: _____ Pd. _____ Date: _____



The Universe – Life and Death of a Star



Follow along with the video and answer the questions. The questions are in order of their appearance in the show.

#	Question	Answer
1	What are the pillars made of in the "Pillars of Creation?"	
2	What is the most important force in astronomy?	
3	What is the early phase of the star called once the gas and dust begin to coalesce?	
4	At what stage in star development does a star spend most of its life?...its 'happy' state...	
5	What characteristic indicates how hot a star is?	
6	Small, cool red stars are called	
7	Large, blue stars are how much larger than the sun?	
8	Which star lives the longest, the star with the higher mass or the star with the lower mass?	
9	What will happen to our star once all of the hydrogen has been fused?	
10	What is the phase of a star called where it simply cools and fades away?	
11	Why do most stars not necessarily die in the time we would normally expect them to?	
12	What is the result of the collapse of the iron core?	
13	From where did the elements in our bodies originate?	
14	About how big (or small) are neutron stars?	
15	What would happen to our sun if a dense white dwarf collided with it?	
16	To what does the show compare a globular cluster?	
17	What do they call the blue stars found in old globular clusters?	
18	Where does Joshua Barnes think they come from?	
19	At what stage of a star's life are black holes, white dwarfs, etc.?	
20	What is a brown dwarf?	