To watch video enter into address bar: https://www.youtube.com/watch?v=tDdG3PsKq74 OR On you tube type in "How the Universe Works Extreme Stars" 1. There are more stars in the universe then there are specks of on Earth. 2. How many earths could fit inside the sun? 3. if our sun was the size of betelgeuse it would reach out as far as the planet 4.All stars begin as _____ 5. of new stars are born from one nebula 6. parts of nebulas contain the most matter 7. in 2004 the spitzer telescope was launched. it is a infrared telescope, which means it measures the ______ that passes through nebulas 8._____+ ____+ ____ = stars more pressure = more _____-9.at 15 million degree's, ______ begin to fuse together and a star is born. 10. Einsteins theories proved that stars tap into the energy of atoms. complete his famous equation E = _____ 12.Atoms release energy by ______ when they smash together. 13.Hydrogen atoms crash together creating _____ and

14.why can fusion constantly occur in stars when people can only create it for a second?

15.why dont stars blow apart?

16.how long does it tae light from the sun to reach earth?

17._____ can damage satellites, space ships and even astronauts.

18.every star will eventually die because its ______ runs out

19.in about ______ billion years our suns hydrogen will run out.

20. gases in the sun will expand and it will turn into a _____

21. the core of the sun then becomes unstable and the stars outer layers get blown away.

22.giant crystals of ______ are at the center of a white dwarf.

23.giant stars create the building blocks of the universe when they die. what element do these massive stars make right before they die?

24.when these massive stars explode its called a ______ and it is the most violent even in the universe. new elements are blasted far into space.

25._____ are left after a super nova. they are only about 20 miles across but very dense.

26.what are five common elements in star dust?

H_____. C____. O____> S_____,and I_____

27.what becomes of this star dust?

28.what will eventually happen to the universe?