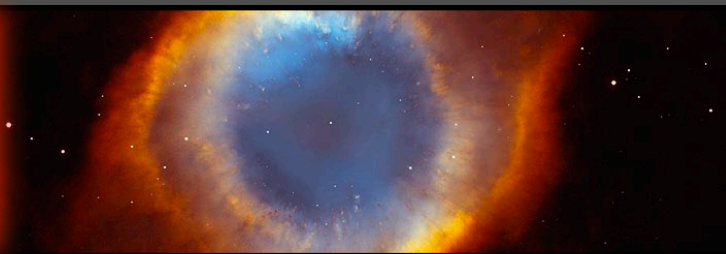


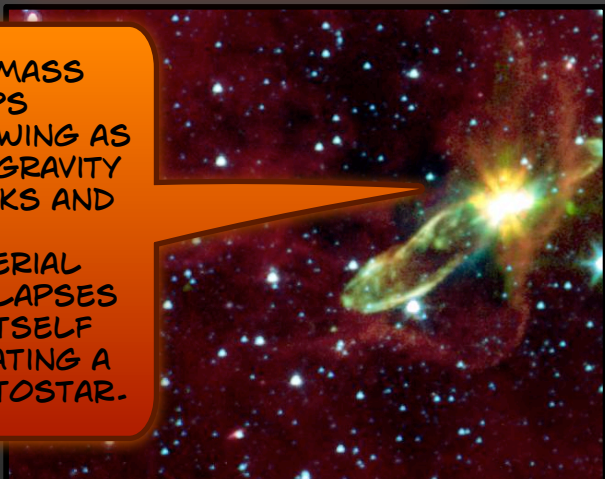
LIFE CYCLE OF A STAR

INTERMEDIATE MASS STAR

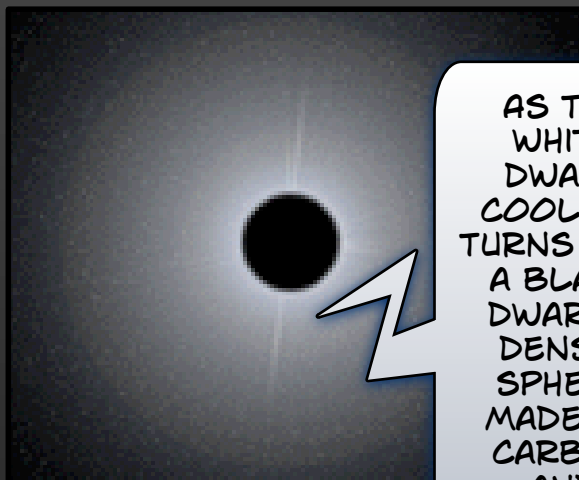
STARS BEGIN TO FORM IN A NEBULA WHEN GRAVITY STARTS ACTING ON CHUNKS OF GAS AND DUST, PULLING THEM TOGETHER.



THE MASS KEEPS GROWING AS THE GRAVITY WORKS AND THE MATERIAL COLLAPSES ON ITSELF CREATING A PROTOSTAR.



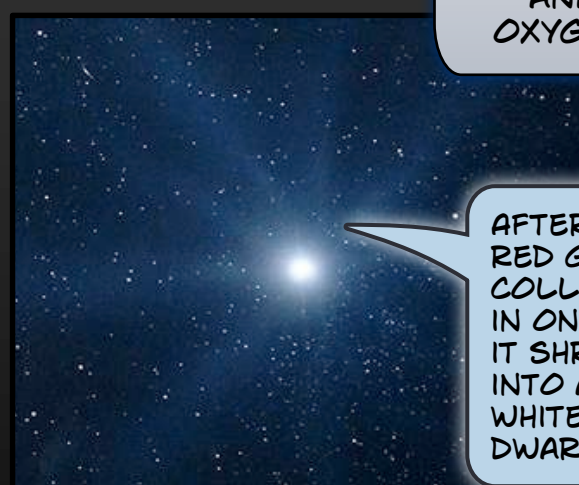
AS THE WHITE DWARF COOLS IT TURNS INTO A BLACK DWARF A DENSE, SPHERE MADE OF CARBON AND OXYGEN



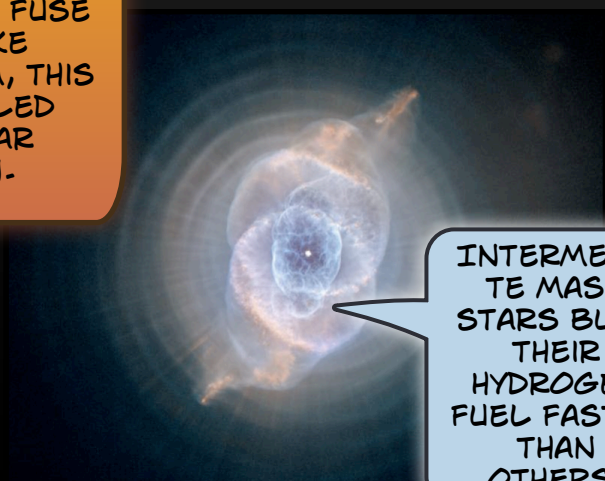
IF THE PROTOSTAR COLLECTS ENOUGH GAS AND DUST, THE CORE WILL REACH 10,000,000 CELCIUS, AT THAT POINT THE HYDROGEN ATOMS FUSE TO MAKE HELIUM, THIS IS CALLED NUCLEAR FUSION.



AFTER THE RED GIANT COLLAPSES IN ON ITSELF IT SHRINKS INTO A DIM WHITE DWARF



INTERMEDIATE MASS STARS BURN THEIR HYDROGEN FUEL FASTER THAN OTHERS.

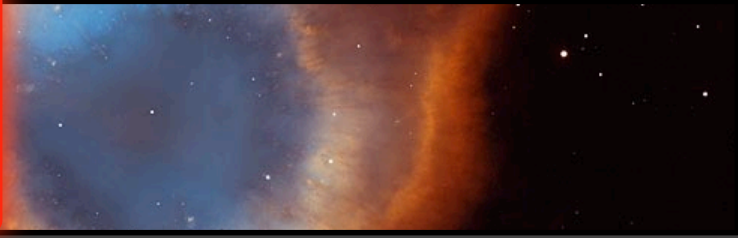


AFTER A LONG TIME, THE STAR EXPANDS INTO A RED GIANT.

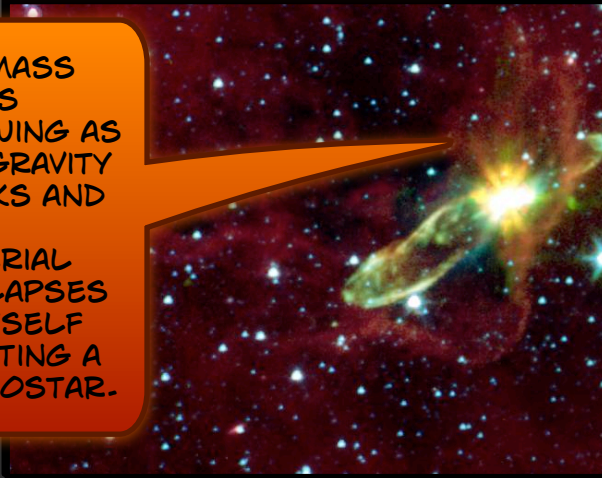


THE LIFE AND DEATH OF A HIGH MASS STAR

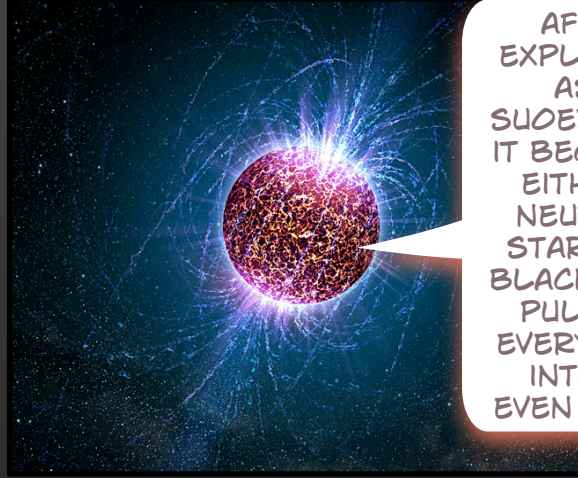
STARS BEGIN TO FORM IN A NEBULA WHEN GRAVITY STARTS ACTING ON CHUNKS OF GAS AND DUST, PULLING THEM TOGETHER.



THE MASS KEEPS GROWING AS THE GRAVITY WORKS AND THE MATERIAL COLLAPSES ON ITSELF CREATING A PROTOSTAR.



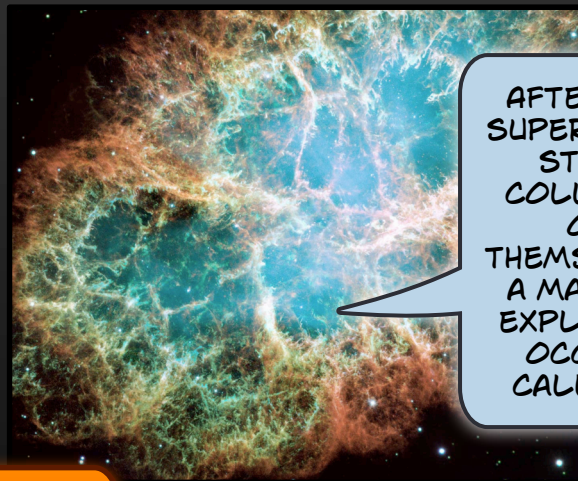
AFTER EXPLODING AS A SUPERNOVA, IT BECOMES EITHER A NEUTRON STAR OR A BLACK HOLE PULLING EVERYTHING INTO IT, EVEN LIGHT,



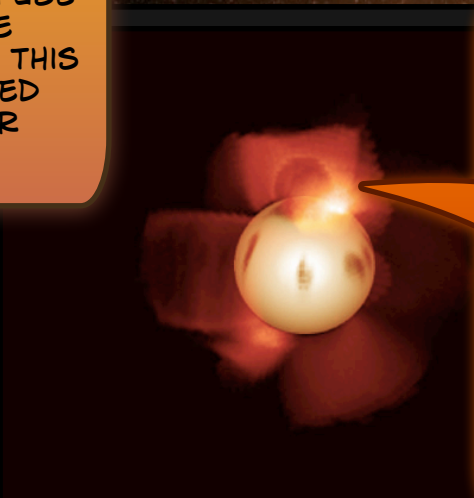
IF THE PROTOSTAR COLLECTS ENOUGH GAS AND DUST, THE CORE WILL REACH 10,000,000 CELCIUS, AT THAT POINT THE HYDROGEN ATOMS FUSE TO MAKE HELIUM, THIS IS CALLED NUCLEAR FUSION.



AFTER THE SUPER GIANT STARS COLLAPSE ON THEMSELVES A MASSIVE EXPLOSION OCCURS CALLED A



THE HIGH MASS STAR CONSUME THEIR FUEL MUCH FASTER THAN ANY OTHER OF IT'S SMALLER COUSINS.



INSTEAD OF GROWING INTO A RED GIANT, THE HIGH MASS GROWS INTO A SUPER GIANT

