

BY ERIK M. & MATTHEW P.

THE LIFE CYCLE OF A STAR

MEDIUM MASS STAR...

Starts as a nebula!

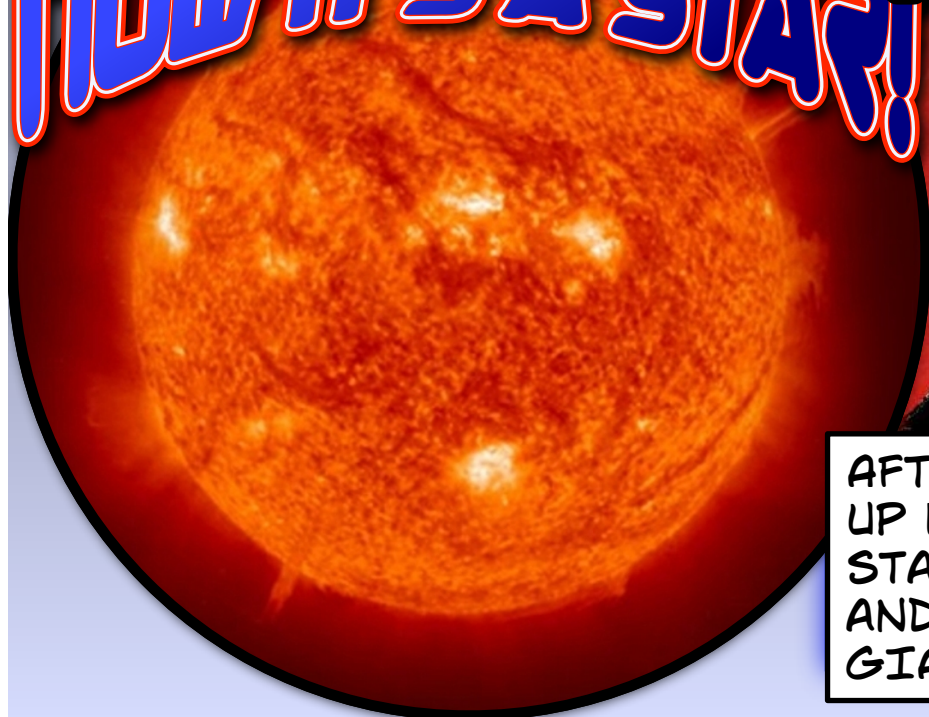
IT IS A CLOUD OF DUST AND GAS THAT CONSISTS MAINLY OF HYDROGEN AND HELIUM GAS!



HYDROGEN AND HELIUM FUSE TO MAKE A STAR.....

NOW IT'S A STAR!

RED GIANT



AFTER A STAR HAS USED UP IT'S HYDROGEN, IT STARTS USING IT'S HELIUM AND BECOMES A RED GIANT!

Planetary Nebula

WHEN A STAR COLLAPSES, STARS THAT HAVE AN INITIAL MASS OF 10 TO 50 SOLAR MASSES WILL BECOME NEUTRONS...

AN EMISSION NEBULA CONSISTING OF AN EXPANDING GLOWING SHELL OF IONIZED GAS

Neutron Star

White Dwarf

WHEN A WHITE DWARF RUNS OUT OF FUEL IT TURNS INTO A BLACK DWARF.

WHITE DWARVES ARE ABOUT THE SAME SIZE AS EARTH AND HAVE AN ENORMOUS DENSITY. THEY ARE 100,000 C

Black Dwarf

HIGH MASS STAR

nebula

I DIDN'T KNOW
THERE WAS A FIREFOX
NEBULA!

SUPERGIANT

Fusion

NOT THE FORD,
THE OTHER TYPE!



THE LARGEST STAR
WITH EXTREME MASS

A GIANT
EXPLOSION

SUPERNOVA

Black Hole

A GRAVITATIONAL
COLLAPSE



Neutron Star

THE END

BY
MATTHEW
AND ERIK