



# STAR LIFE



Glossory

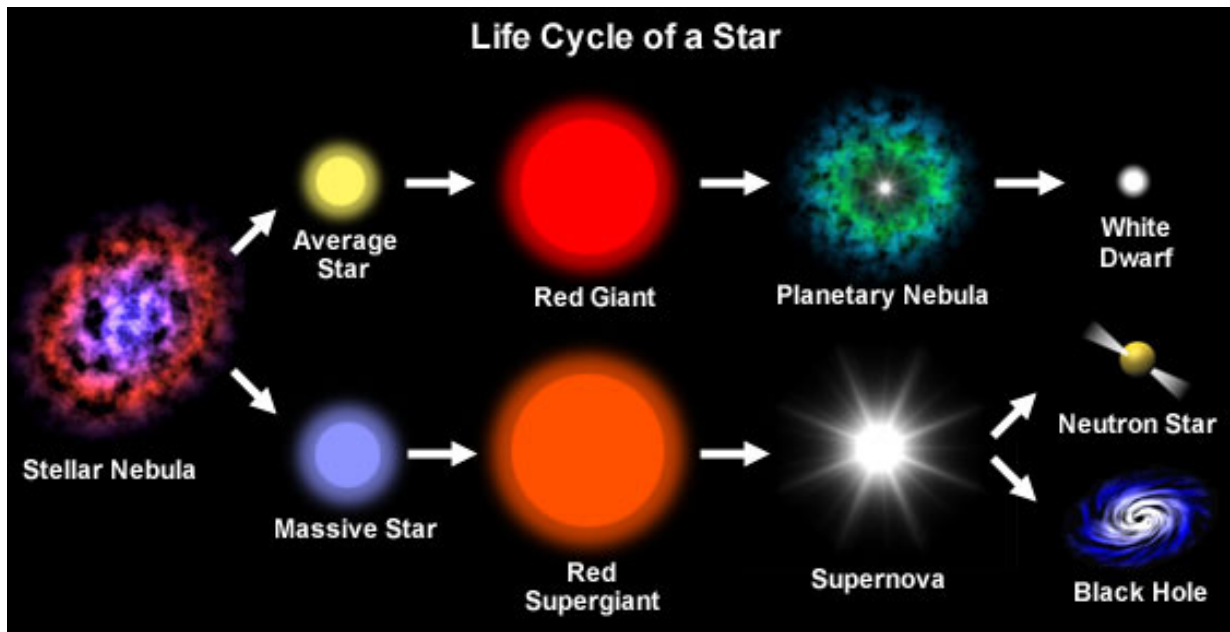
**STAR LIFE/ STAR LIFE CYCLE:** *Life cycle of star from born to die.*(ជីវិតរបស់ផ្កាយ)

**SUPERNOVA:** *a star that suddenly increases greatly in brightness because of a catastrophic explosion that ejects most of its mass.* ការបន្ទុះ និងស្លាប់របស់ផ្កាយ

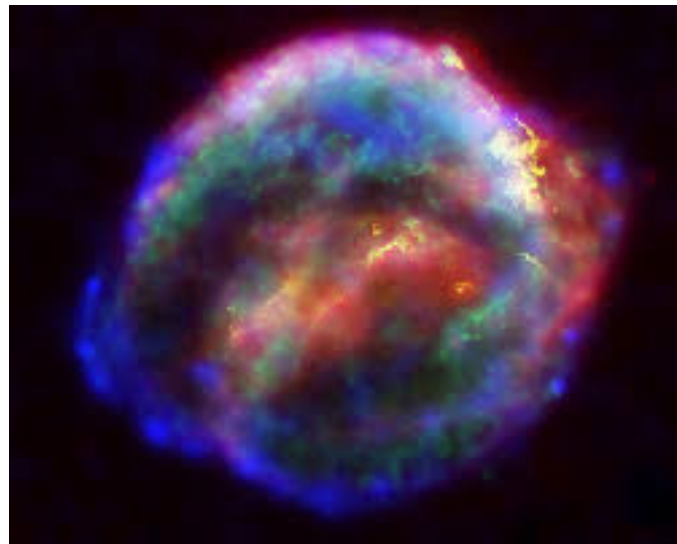
## Star Life or Star Cycle



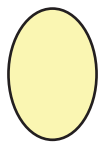
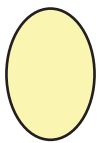
Do you ever know that star have many different color? Do you know that star can explode and make a gianatic mass of dust? Do you ever think that the star has its life? Star deos all of that. According to schoolsobservatory.org, Stars are formed in clouds of gas and dust, known as nebulae. Nuclear reactions at the centre (or core) of stars provides enough energy to make them shine brightly for many years. The exact lifetime of a star depends very much on its size. Very large, massive stars burn their fuel much faster than smaller stars and may only last a few hundred thousand years. Eventually, the hydrogen fuel that powers the nuclear reactions within stars will begin to run out, and they will enter the final phases of their lifetime. Over time, they will expand, cool and change colour to become red giants. The path they follow beyond that depends on the mass of the star. Look at the image below, you can see how star form and how it die. When it die it can become a white dwarf, neutron star and black hole.



Source



Star explosion (Supernova)



Sources

<https://www.schoolsobservatory.org/learn/astro/stars/cycle>

[https://www.google.com.kh/search?rlz=1C1GTPM\\_enKH760KH760&ei=1b-sW43vKMf9vgSXRy-jwDg&q=what+is+star+life&oq=what+is+star+life&gs\\_l=psy-ab..0i7i30k1l2j0i30k1j0i8i10i30k-1j0i8i30k1l3j0i8i10i30k1j0i8i30k1.7147.7147.0.8588.1.1.0.0.0.130.130.0j1.1.0....0...1c.1.64.psy-ab..0.1.130....0.B5mdLdSIBvI](https://www.google.com.kh/search?rlz=1C1GTPM_enKH760KH760&ei=1b-sW43vKMf9vgSXRy-jwDg&q=what+is+star+life&oq=what+is+star+life&gs_l=psy-ab..0i7i30k1l2j0i30k1j0i8i10i30k-1j0i8i30k1l3j0i8i10i30k1j0i8i30k1.7147.7147.0.8588.1.1.0.0.0.130.130.0j1.1.0....0...1c.1.64.psy-ab..0.1.130....0.B5mdLdSIBvI)

<https://docs.google.com/document/d/1RKhs0s1SEhJTRZNSnq6MAcD9xZkj5-Uu8P2c4pj76Cg/edit>