**Astronomy Assignment**

‘We are all just Star Stuff”- Carl Sagan, truer words have never been spoken. Every atom of our bodies was formed in the core of some long dead star. But how and where and why? In order to answer these questions we must understand the stars themselves and the clouds from which they arise and often add to upon their death. For this assignment you must choose a star or nebulae and answer the following questions about it. Your paper must also contain a star chart showing the approximate location of your object at this time of year. Possible objects Antares, Vega, Eta Carinae, Sirius B, Polaris, The Crab Nebulae, The Cat Eye Nebulae, Rigel, The Horsehead Nebula, Algol, Betelgeuse, Aldebaran, Trifid Nebula, Eagle Nebulae, Proxima Centauri, Alpha Centauri, Deneb, Spica A, Mintaka, Orion Nebulae, M20 nebulae, Rho Ophiuchi

1. How far away is your object from the earth (in light years)?
2. What is the approximate diameter of your object?
3. What is the surface temperature of your object?
4. How old is your object?
5. When was object discovered and by whom?
6. How is your object evolving and what will become of it?
7. Provide at least 3 unique facts for your object.
8. You must include at least 3 images of your object with a 2-3 pg explanation of each.