

## Stars Scavenger Hunt

For use with the three interactive star charts

Name \_\_\_\_\_

1. Type \_\_\_\_\_ stars are the hottest stars and Type \_\_\_\_\_ are the coolest stars.
2. A type O star has a relatively short life span of between \_\_\_\_\_ and \_\_\_\_\_ million years. Type O stars are about \_\_\_\_\_ to \_\_\_\_\_ times the mass of the sun.
3. \_\_\_\_\_, a type M star, is the second brightest star in the constellation \_\_\_\_\_. It is more than 14,000 times brighter than the sun.
4. Polaris, also called the \_\_\_\_\_ is a type F star known as an F7 supergiant.
5. \_\_\_\_\_, the brightest star in the sky, is a type A star.
6. Stars are said to be born in \_\_\_\_\_.
7. At the end of a star's lifetime it enters into its planetary nebula phase. Here, as temperatures increase and reaction rates rise, the star's \_\_\_\_\_ is launched into space, exposing the star's core.
8. A \_\_\_\_\_ is simply the leftover core of a red giant after its planetary nebula. Eventually, the white dwarf will cool to the point it is no longer \_\_\_\_\_.
9. In 1930, \_\_\_\_\_ was discovered within the constellation of Gemini.
10. Ursa Major is more commonly referred to as the \_\_\_\_\_. There are more than \_\_\_\_\_ visible galaxies within it.