

STELLAR EVOLUTION IN THE SKY

On the diagram below, neatly (TAKE TIME TO BE NEAT AND CAREFUL IN YOUR WORK SO IT CAN BE READ!)

a)²⁴ Using **DIFFERENT COLORS** for different **LUMINOSITY** classes, label the stars Capella (α Aur), Hassaleh (ι Aur), Alnath (β Tau), Aldebaran, Betelgeuse, Rigel, Adhara (ϵ CMa), Sirius, Procyon, Pollux, and Castor with their name and spectral type. (Use the colors indicated in the legend! Aldebaran is shown as an example). Also label the two lines on the diagram that are indicated.

b)²¹ Indicate the positions of Eskimo, Rosette, Flaming Star, Crab, Horsehead, Orion, and M78 nebulas and state the **type of object** and the **stage of stellar evolution** taking place in each (the Praesepe, Pleiades, and Keid are shown as examples, emission nebulae are star birth).

Write star names in color!

