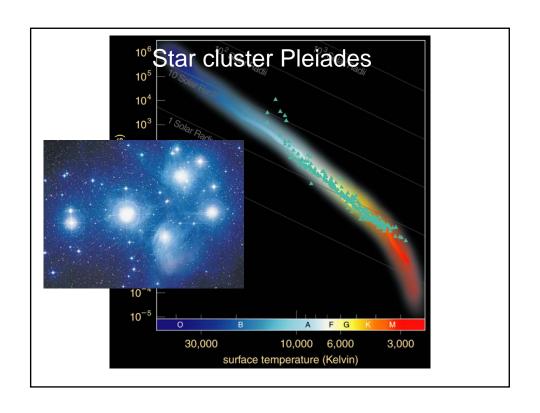
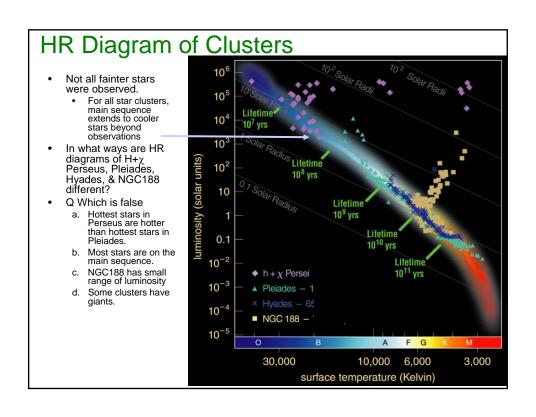
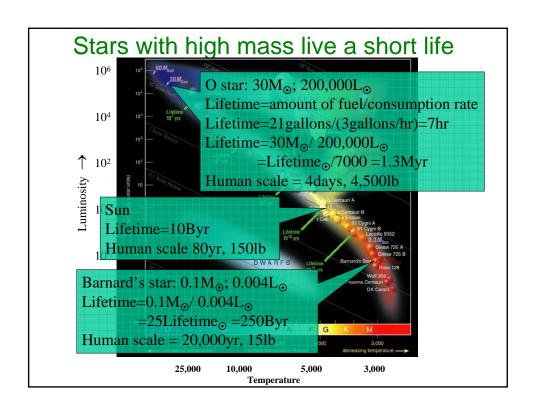


## Giants are dying stars; white dwarfs are dead stars Evidence on giants from star clusters · Compare members of a M80 population. (Twin study) All stars in a cluster are born at once. Formation time is the collapse time of the cluster, which is very short. I am a G star like the sun. I have 100,000 fraternal twins, some weighing 30 times my mass, some 1/10 of my mass. Pleiades







## H-R Diagrams of star clusters

- Q2 There are no A stars in M80 because
  - a. they never formed.
  - b. they died and disappeared
  - c. all stars became redder as they get older.
  - d. they are too faint to see.



## H-R Diagrams of star clusters

- Q3 The hottest dwarfs in Pleiades are A stars. The hottest dwarfs in M15 are F stars. Pleiades is \_\_\_\_ than M15.
  - a. older
  - b. younger

