B. Low mass stars <2-5M☉
   Main sequence - energy source and structural change
   Post main sequence
      Red giant - energy source, structural change
   Planetary nebula
   White dwarf - electron degeneracy, novae

C. Massive stars >5-10M☉
   Main sequence - red supergiant
   Energy sources and nucleosynthesis in core of star
   Supernova!
   Enrichment of IS medium
   SN1987A
   Crab nebula
   Neutron stars and pulsars (neutron degeneracy
   Black holes - event horizon=Schwarzschild radius
      Singularity
   Observational evidence - X-ray binaries

D. Observational tests
   Clusters - open and globular clusters
   Ages - main sequence turnoff
   Distances - main sequence fitting