

Astronomy 353 (Spring 2013)

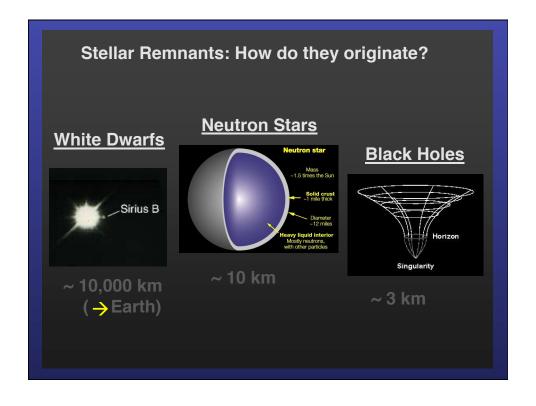


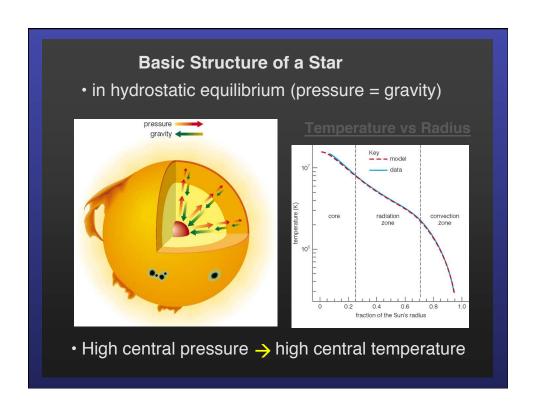
ASTROPHYSICS: From Black Holes to the Firsts Stars

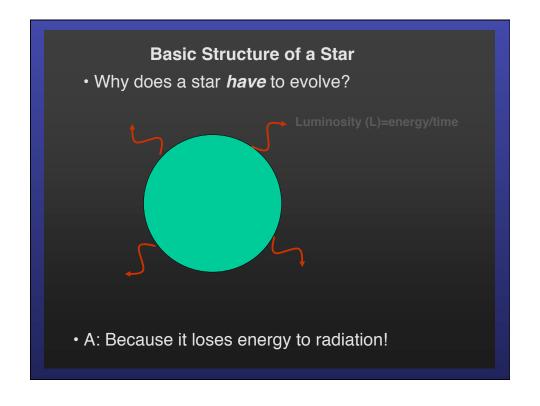
(Lecture 7: Stellar Structure and Evolution)

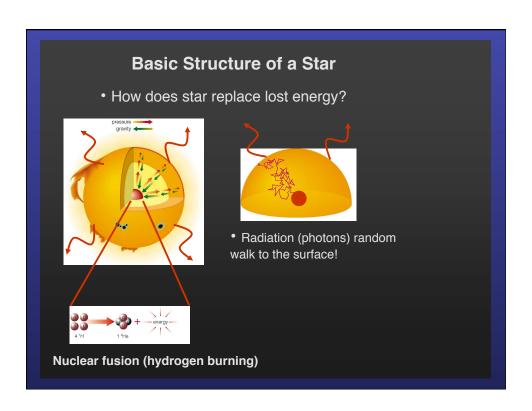
Instructor: Volker Bromm TA: Aaron Smith

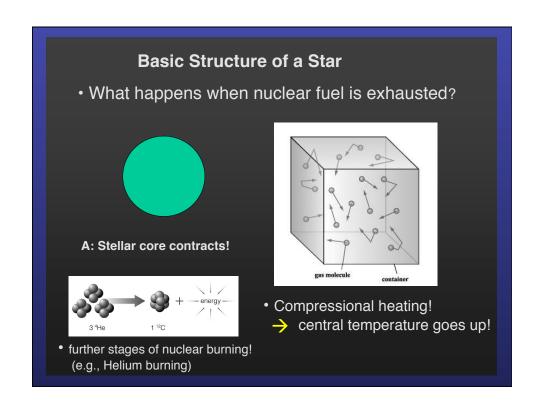
The University of Texas at Austin

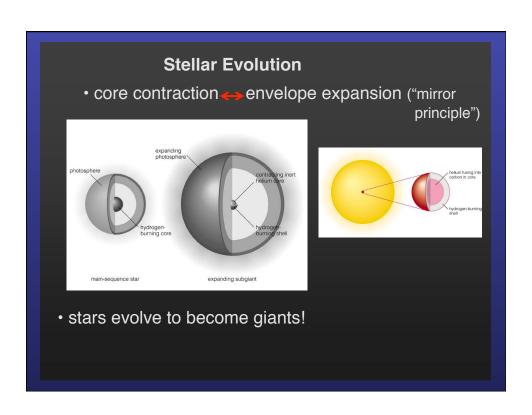


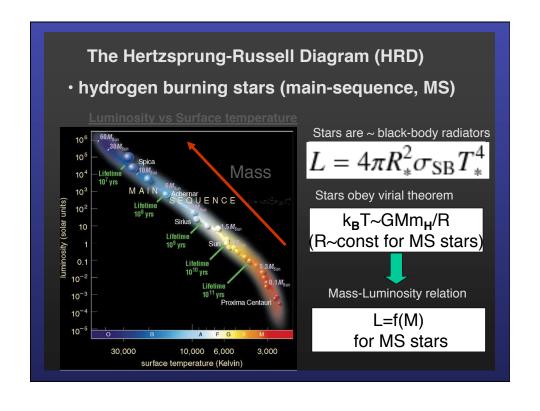


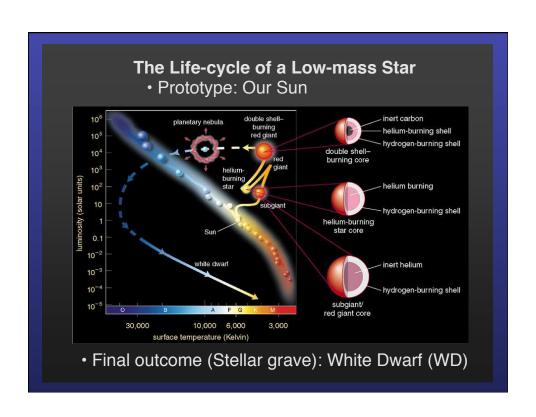


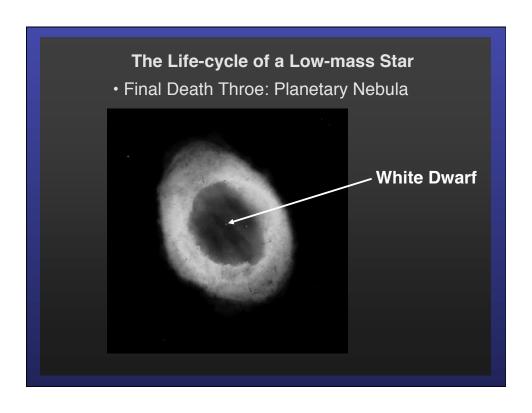


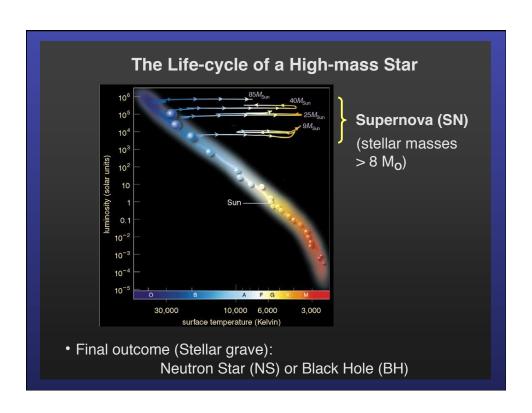


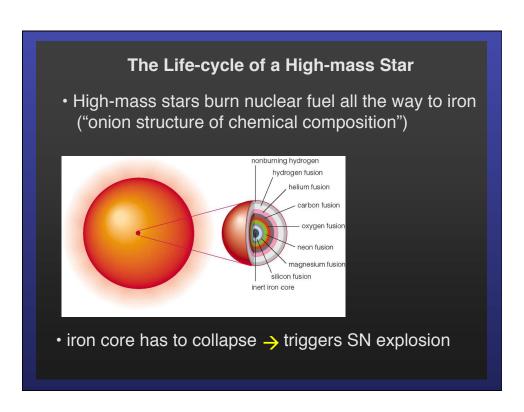












Summary:

- Evolution of Low-mass stars:
 - Main-sequence → Red Giant → Planetary Nebula
 → White Dwarf (WD)
 - Evolution of High-mass stars (M > 8 M_{\odot}):
 - Main-sequence → Red Supergiant → SN explosion → Neutron Star (NS) or Black Hole (BH)