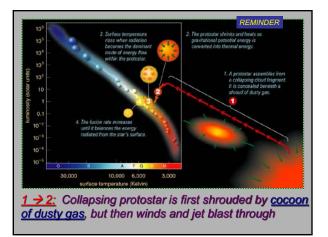
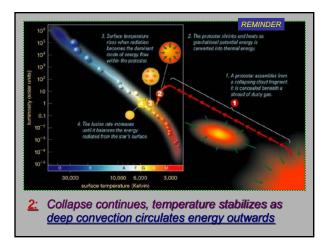


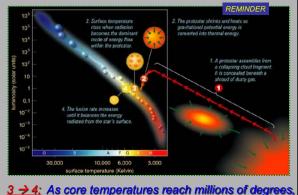


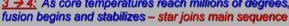
## Things to do

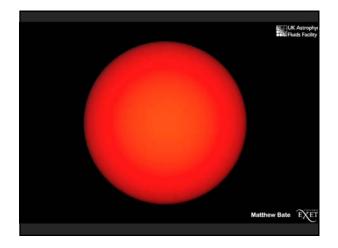
- Read Chap17 'Star Stuff', with 17.2 'Life as Low-Mass Star' covering today's lecture
- Then read 17.3 'Life as High-Mass Star' for next class ... look over 18.3 Black Holes
- Homework #6 due today, new HW #7 passed out ... plus Overview on Evolution
- Next class on <u>Tues</u> Oct 16 meets in Fiske Planetarium – go there <u>directly</u>. Tour stellar evolution... and "Black Holes" program
- Observatory Night # 7 next Tues, sign up









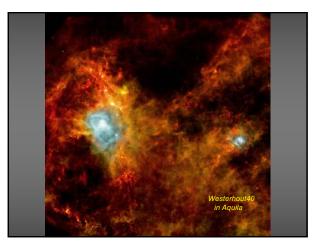




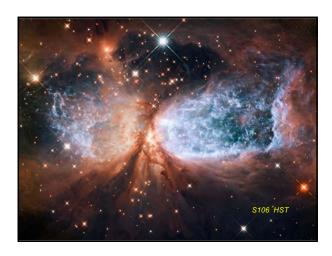




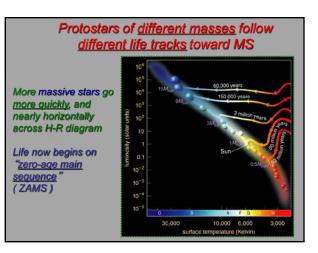


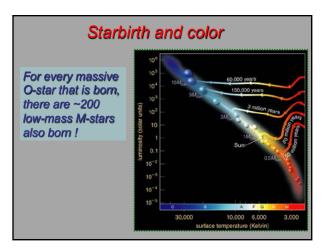


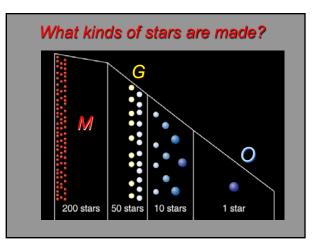








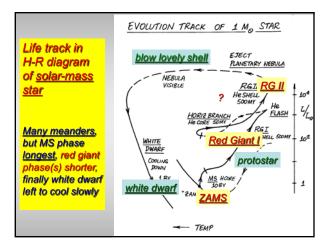


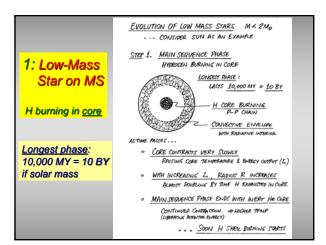


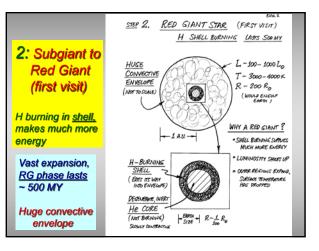


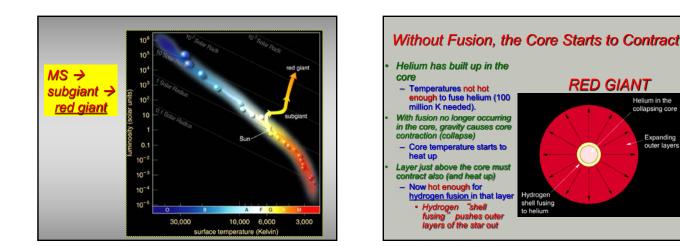
## Reading Clicker -- life tracks What can we find out about a star from its life track on the H-R diagram? A. When the star was born A. When the star was born B. The surface temperature and luminosity of the star at each stage of its life C. The star's current stage of life D. Where the star is located

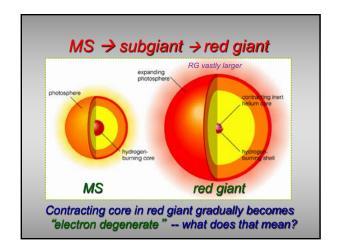


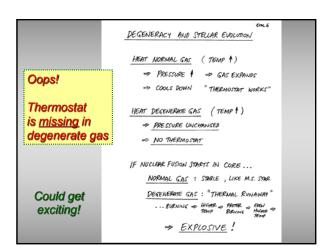












Red Giants

10

30.000

Thermostat is broken

core! As core contracts, hydrogen SHELL fuses

- No more fusion in the

faster and faster – more energy created

Star becomes larger, cooler, but brighter!

All the while, the core is continuing to shrink and is heating up

