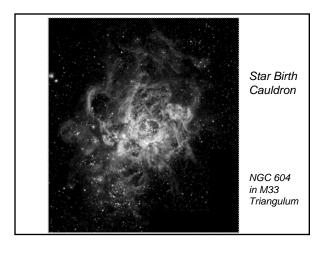


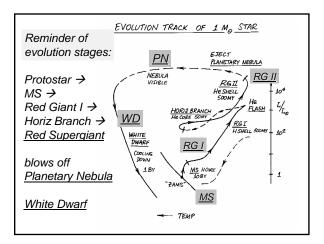
Clicker Poll of Advice

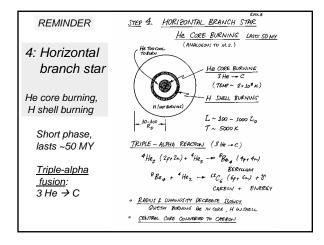
- How do you take notes (or listen) during lectures?
- A. I get most of it by just listening
- B. I write down some notes, then go back to book to look things up
- C. I listen, some notes, then get copies of lecture slides from course website
- D. I enjoy talking with my buddies, and they tell me later if I missed anything

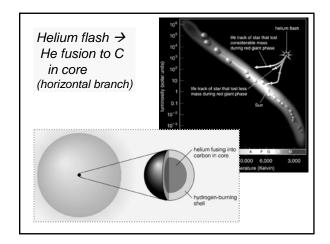
Clicker break – what has stuck?The vast majority of stars in a newly formed

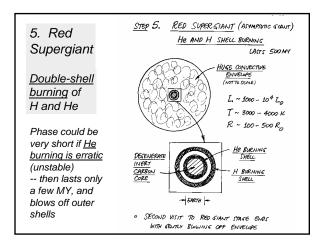
- star cluster are _____? A.
- A. less massive than the Sun
- B. very high-mass, type O and B stars
- C. red giants
- D. about the same mass as Sun

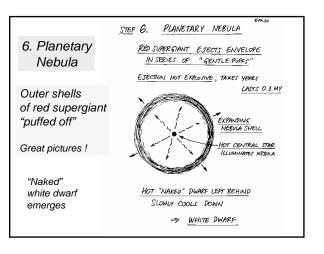


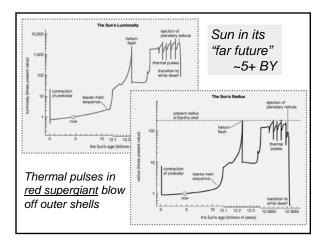


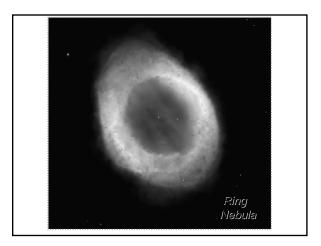


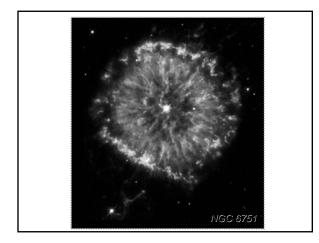


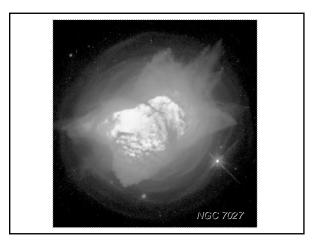




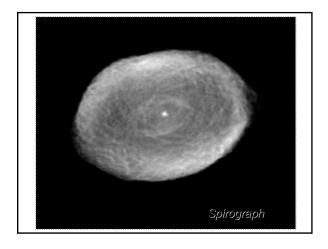


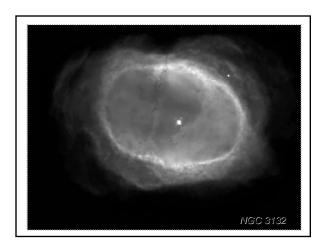


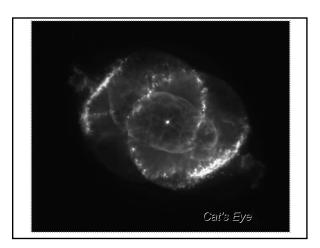


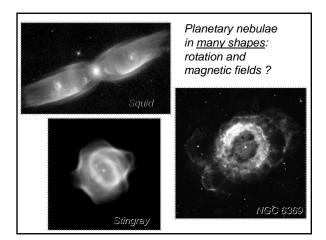


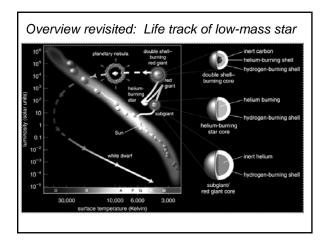


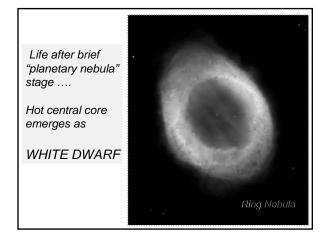


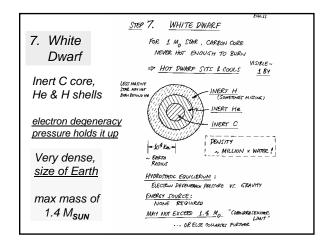


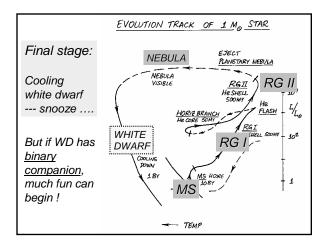


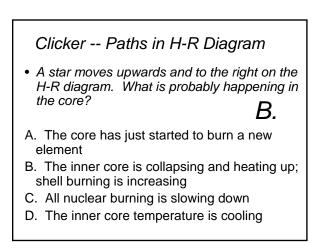












HR diagram shifts

- **B.** The core is collapsing and heating; shell burning is increasing
- Moving upwards on HR diagram means more luminosity → more nuclear fusion
- This is usually due to the inner core heating due to gravitational collapse potential → thermal → faster burning

Overview revisited: Life track of low-mass star