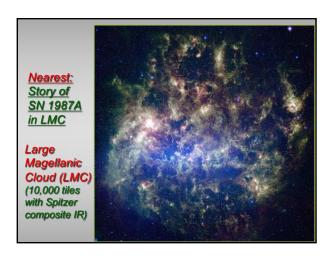


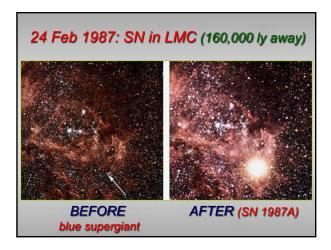
## Today and Tues

- Famous supernovae: SN1987A + earlier
- Black holes, their general properties, and their "care and feeding" and Mr.
   <u>Einstein's work</u> S.2 (special relativity), S.3 (general relativity)
- Overview read <u>Chap 19: `Our Galaxy'</u>
- New HW # 9 (involves supernova energies
  + MA review), HW #8 due today
- Observatory Night Tues March 21 (signup)
- Second Mid-Term Exam in class today

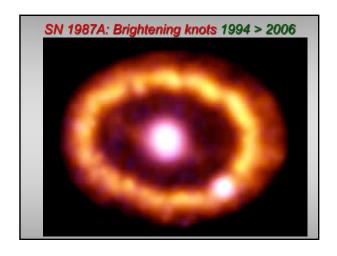
## Clicker: What happens in a "white dwarf supernova"?

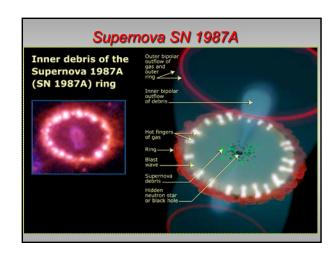
- A. Carbon fuses throughout the white dwarf
- B. Hydrogen fuses on the surface of the white dwarf
- C. The white dwarf collapse into a neutron star
- D. Helium fuses throughout the white dwarf

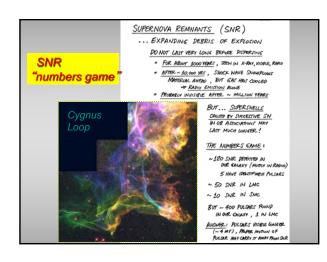


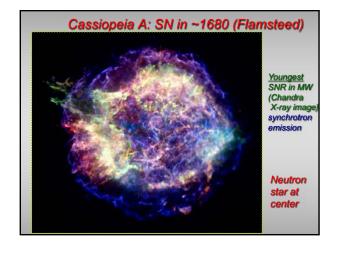




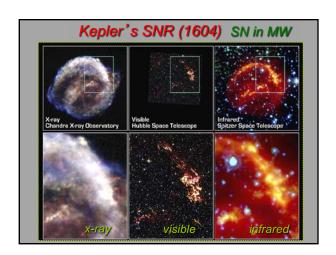


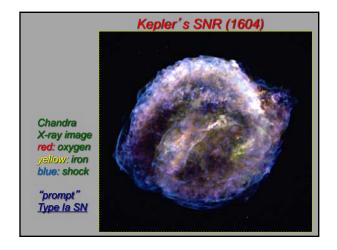


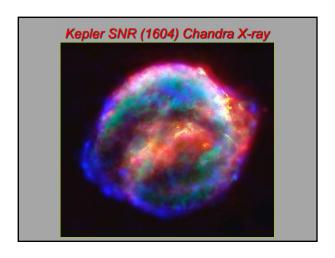


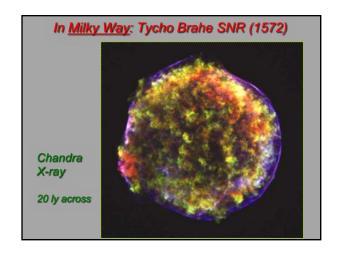


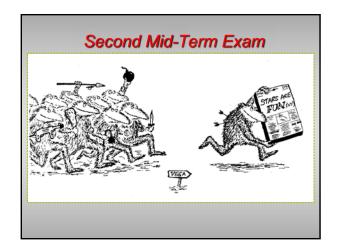












## Rules of the Game

- Closed book, closed notes, can use doublesided handwritten "crib sheet"; 50 minutes
- Print your name and student ID on top of pages 1 and 6 of exam sheets
- <u>Print and encode</u> your name and student ID on <u>scan sheet</u> (and nothing else)
- Use # 2 (soft) pencil for marking your answers on scan sheet (\$ 1 buys you a pencil!)
- Respond carefully to Essay Question 47 with full and lucid sentences (and detailed sketch)