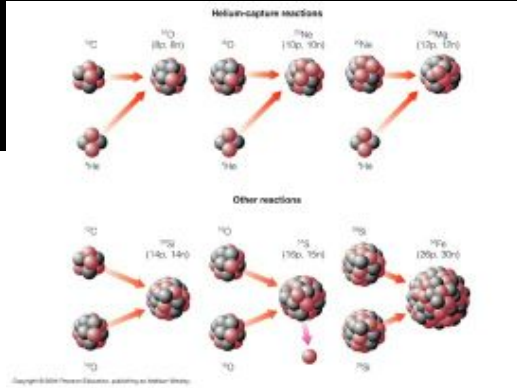


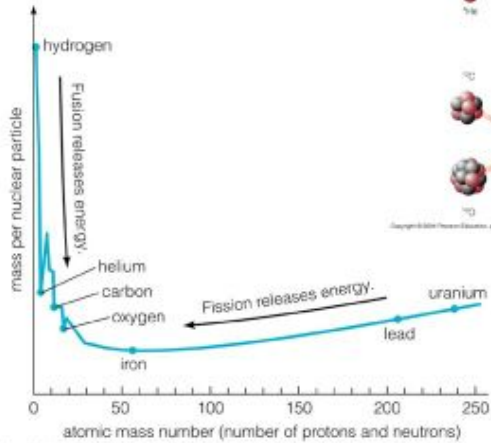
# Advanced Burning Stages

5

Each successive stage is less efficient



So each stage takes a shorter time to complete



## 98 2 An Overview of Stellar Evolution

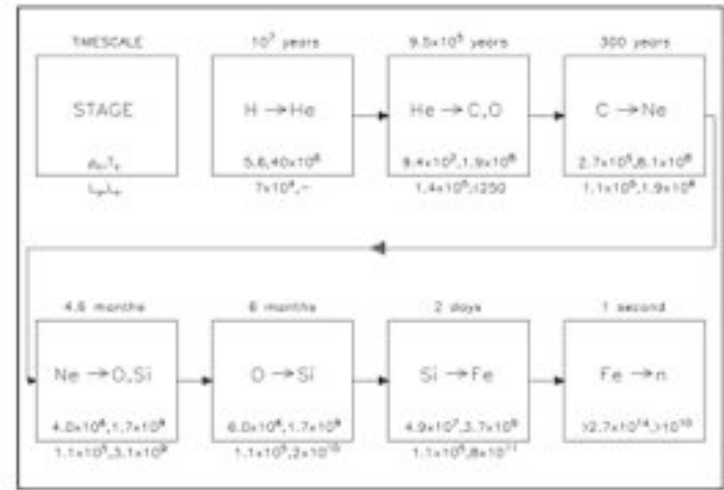
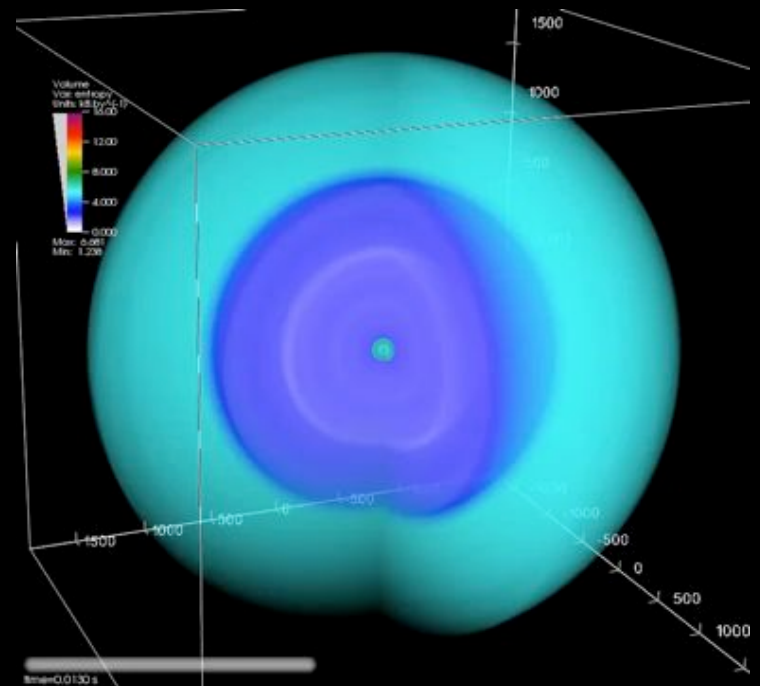
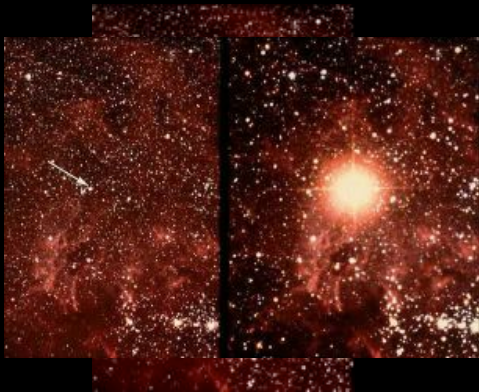


Fig. 2.30. A representation of the thermonuclear burning stages of a star similar to SN1987A. The first box is a key to the notations in the boxes following—each of which represents a stage. Central density is in the units of  $\text{g cm}^{-3}$ ,  $T_c$  in K, and photon and neutrino luminosities are in the units of  $L_\odot$ . The progression of arrows indicates the arrow of time. The figure is adapted from Table 1 of Arnett et al. (1989).

## SN 1987A in the Large Magellanic Cloud

## Supernova in M71



computer model of the first few moments  
of a Supernova (i.e. Bethe et al, 1990)

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