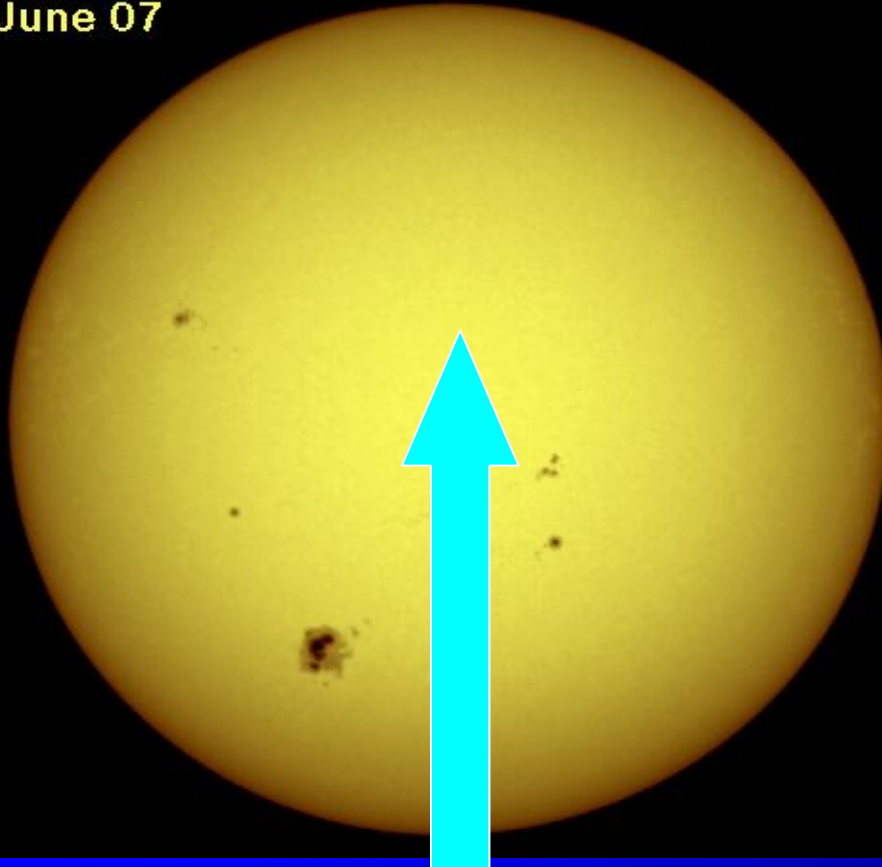


4. Origen Elementos Químicos

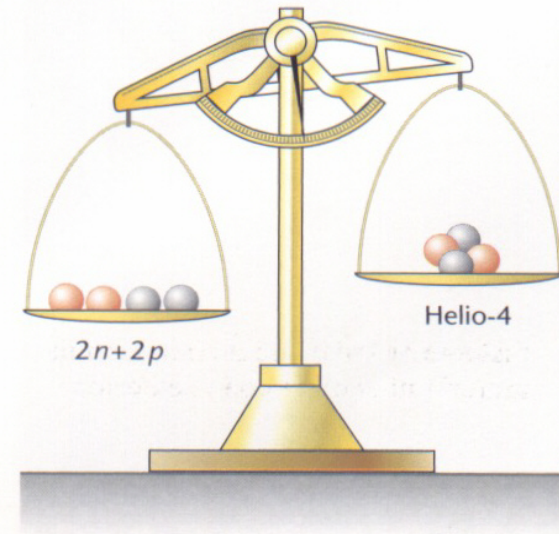
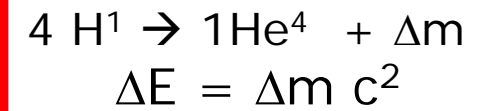
- [Elementos básicos formados en el “Big Bang” (H¹, D, He, Li⁷, Be⁹)]
- Nucleosíntesis estelar (→ Fe⁵⁶)
- Procesos de agregación rápida/lenta de neutrones → elementos químicos hasta el 117.

FUSIÓN TERMONUCLEAR

1992 June 07



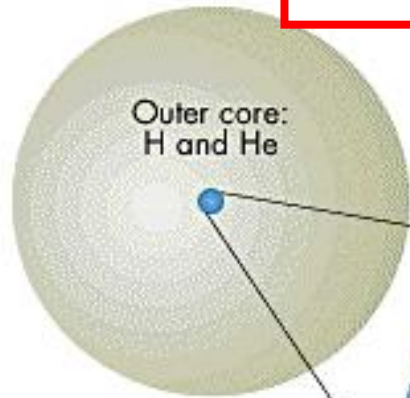
T (núcleo) = 15 millones grados



5.640 millones Tn/s
P = $3,7 \times 10^{25}$ vatios

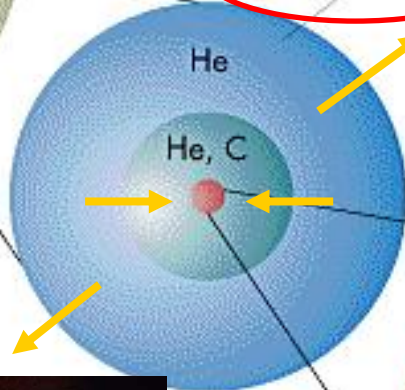
1M (Sol) = 2×10^{30} kg
→ 6.000 millones años

Nucleosíntesis: Evolución estelar



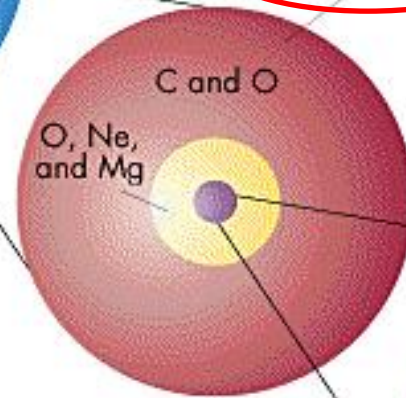
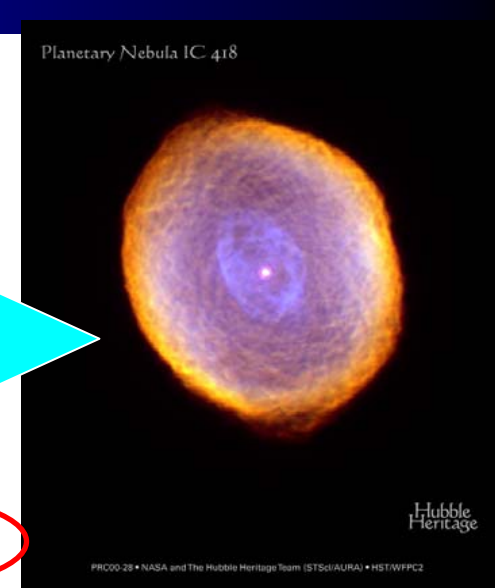
SOL

$T = 30 \times 10^6 \text{ K}$

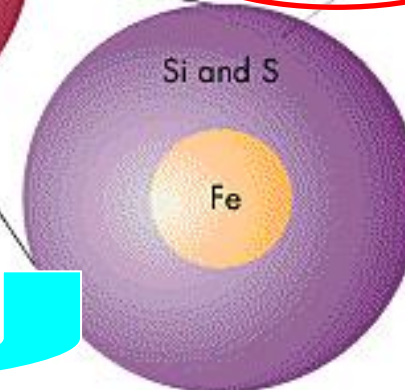


Gigante Roja

$T = 500 \times 10^6 \text{ K}$



$T = 3,000 \times 10^6 \text{ K}$



Supernova II



117 Elementos Químicos