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After helium is used up	
Reaction	Min. Temp.
4 ¹ H → ⁴ He	10 ⁷ ° K
3 4He → ¹² C	2x10 ⁸ Triple-alpha process
¹² C + ⁴ He → ¹⁶ O, Ne, Na, Mg	8x10 ⁸
Ne ➔ O, Mg	1.5x109
O ➔ Mg, S	2x10 ⁹
Si → Fe peak	3x109
Contraction heats centerHelium starts to burn.	$H \rightarrow He(core)$ $H \rightarrow He(core)$ $H \rightarrow He(chell)$ $H \rightarrow He(chell)$ $H \rightarrow He(chell)$

