A Level · OCR · Physics

1 min 1 question

Multiple Choice Questions

Stellar Evolution

Definitions of Astronomical Objects / Star Formation / Evolution of a Low-Mass Star / White Dwarfs & the Chandrasekhar Limit / Evolution of a Massive Star / Neutron Stars & Black Holes / The Hertzsprung - Russell (HR) Diagram

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Total Marks /1

1 Some stars will evolve into white dwarfs. The mass of the Sun is 2.0×10^{30} kg.

Which of the following **cannot** be the mass of a white dwarf?

A. 1.2×10^{30} kg

B. 2.0×10^{30} kg

C. 2.7×10^{30} kg

D. 3.2×10^{30} kg

(1 mark)