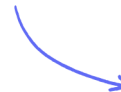


## Multiple Choice Questions

# 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  $2.0 \times 10^{30}$  kg.

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

- A.  $1.2 \times 10^{30}$  kg
- B.  $2.0 \times 10^{30}$  kg
- C.  $2.7 \times 10^{30}$  kg
- D.  $3.2 \times 10^{30}$  kg

(1 mark)