

- 6 Tau Ceti is one of the closest stars to the Sun. Tau Ceti has a surface temperature of 5300 K and a luminosity of $0.55 L_{\text{Sun}}$, where L_{Sun} is the luminosity of the Sun.

Which of the following is the correct description of Tau Ceti?

- ☐ A main sequence star
- ☐ B red dwarf star
- ☐ C red giant star
- ☐ D white dwarf star

(Total for Question 6 = 1 mark)