

8 The table gives information about four stars.

Star	Colour	Mass in solar masses
Sirius	blue-white	2
Polaris	yellow-white	5
Betelgeuse	red	17
Rigel	blue	21

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(a) Explain which of these stars has the highest surface temperature.

(2)

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(b) Discuss the evolution of the stars Rigel and Sirius.

(6)

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(Total for Question 8 = 8 marks)

