

6 This question is about stars.

(a) Astronomers measure the absolute magnitude of stars.

State what is meant by the term **absolute magnitude**.

(2)

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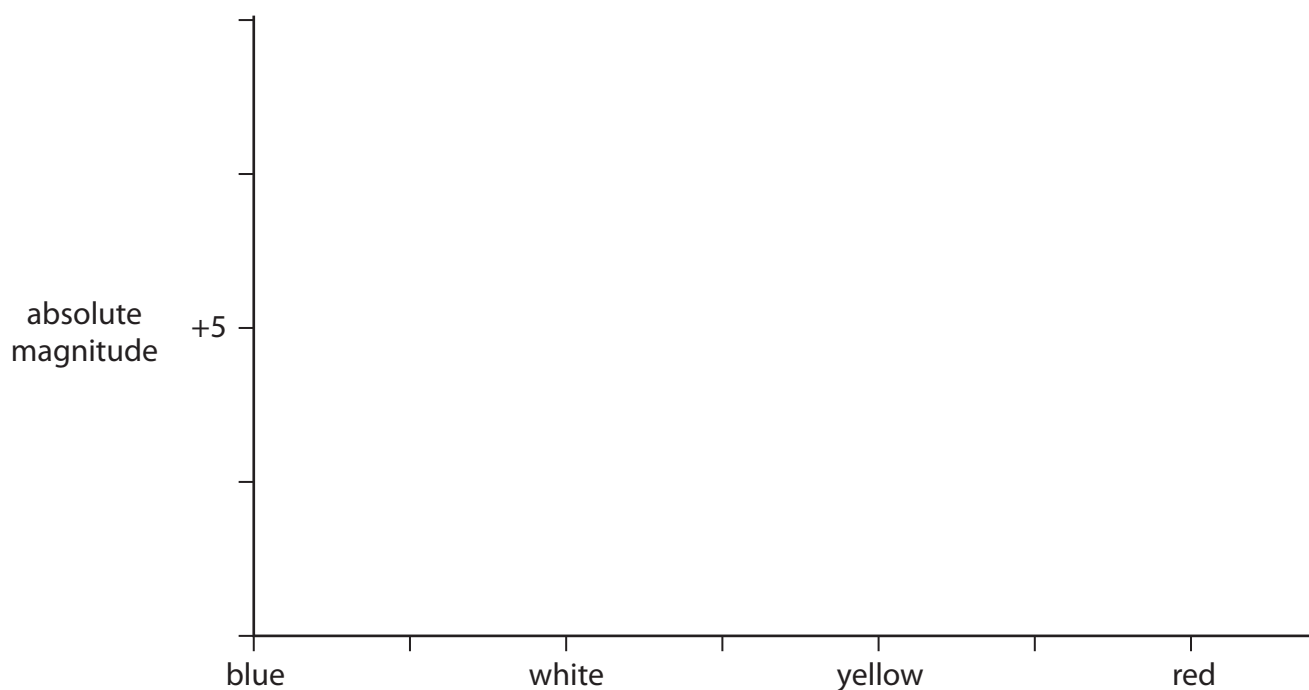
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(b) The evolution of stars can be shown on a Hertzsprung-Russell diagram (HR diagram).

Complete the HR diagram by

- labelling the x-axis
- completing the absolute magnitude scale
- drawing the main sequence, red giant and white dwarf regions

(5)



(Total for Question 6 = 7 marks)



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