

Answer ALL questions.

1 (a) (i) Which of these coloured stars has the highest surface temperature? (1)

- ☐ A orange
- ☐ B red
- ☐ C white
- ☐ D yellow

(ii) Which of these is a stage in the life cycle of the Sun? (1)

- ☐ A black hole
- ☐ B neutron star
- ☐ C supernova
- ☐ D white dwarf

(iii) Which of these is the stage nearest the end of the life cycle of a star with a mass much greater than the Sun? (1)

- ☐ A main sequence
- ☐ B protostar
- ☐ C supernova
- ☐ D white dwarf

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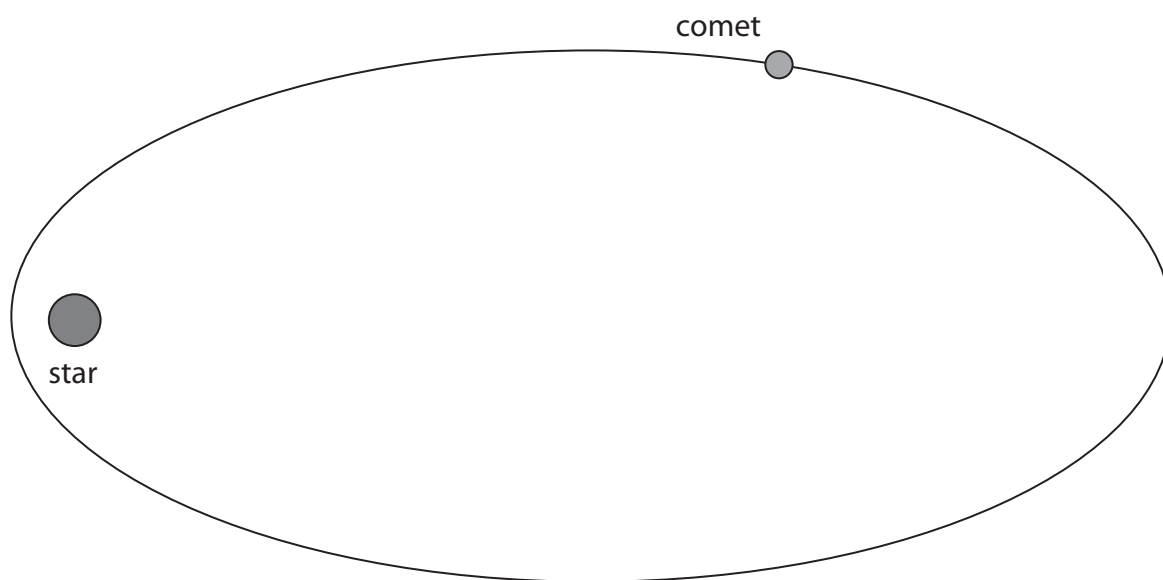


(b) The diagram shows the orbit of a comet around a star.

Draw a labelled arrow to show the force acting on the comet due to the star.

(2)

not to scale



(Total for Question 1 = 5 marks)

