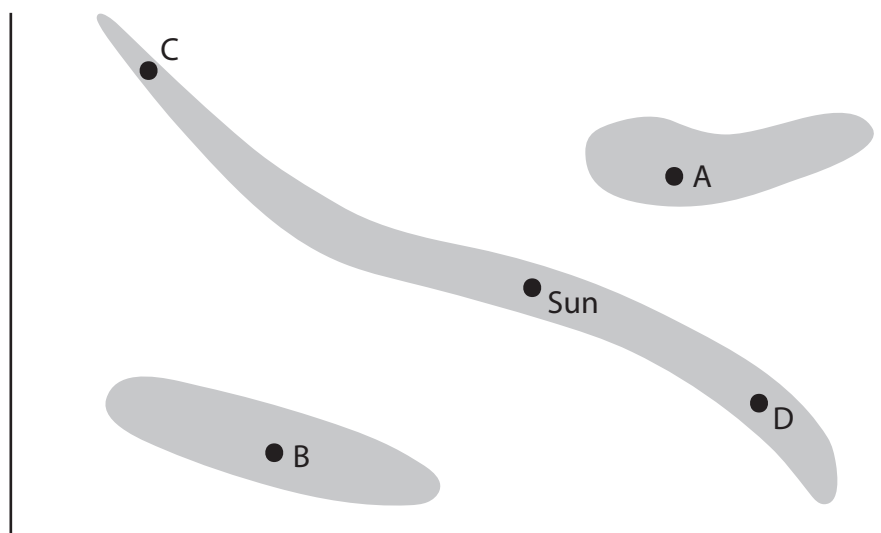


Answer ALL questions.

Some questions must be answered with a cross in a box ☒. If you change your mind about an answer, put a line through the box ☒ and then mark your new answer with a cross ☒.

- 1** This question is about stars.

The diagram shows an incomplete Hertzsprung-Russell (H-R) diagram.



- (a) Label the axes on the diagram.

(2)

- (b) There are three shaded areas on the diagram.

State the name of the shaded area that contains the Sun.

(1)



(c) Which star is a white dwarf?

(1)

- ☐ A
- ☐ B
- ☐ C
- ☐ D

(d) At a standard distance from the Earth, which star is brighter than the Sun and has a greater surface temperature than the Sun?

(1)

- ☐ A
- ☐ B
- ☐ C
- ☐ D

(Total for Question 1 = 5 marks)



P 7 3 4 3 0 A 0 5 2 4