

13 The distance to astronomical objects relatively close to the Sun is determined using trigonometric parallax. For objects beyond a certain distance standard candles are used.

(a) State what is meant by a standard candle.

(1)

(b) Explain why trigonometric parallax is not used beyond a certain distance.

(2)

(c) Describe how distances too large for the use of standard candles can be determined.

(3)

(Total for Question 13 = 6 marks)