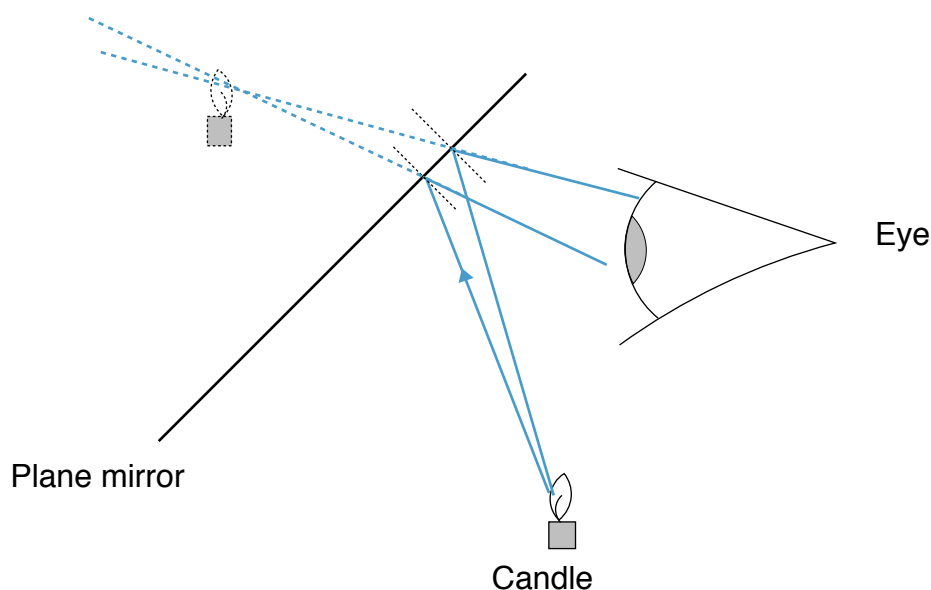


- 1 The diagram shows a candle and plane mirror.



- 1 (a) (i) Use a ruler to show how an image of the candle is formed. Show where the image of the candle is. **[4 marks]**

Two rays drawn from the candle and reflected by the glass. Each one must have i (incident ray) = r (reflective ray) as judged by eye. [2]

At least one arrow drawn in correct direction. [1]

Position of image correct as judged by eye. [1]

This is a difficult diagram to get right even with a protractor. The AQA exam board have said that they will not expect students to measure out correct angles. The eye is purposely huge to help the light rays enter it!

- 1 (a) (ii) Give three characteristics of the image. **[3 marks]**

Virtual [1]
Upright [1]
Laterally inverted [1]

(Total 7 marks)

End