

# Light

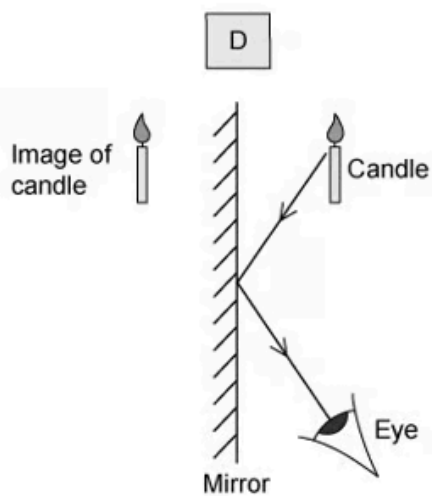
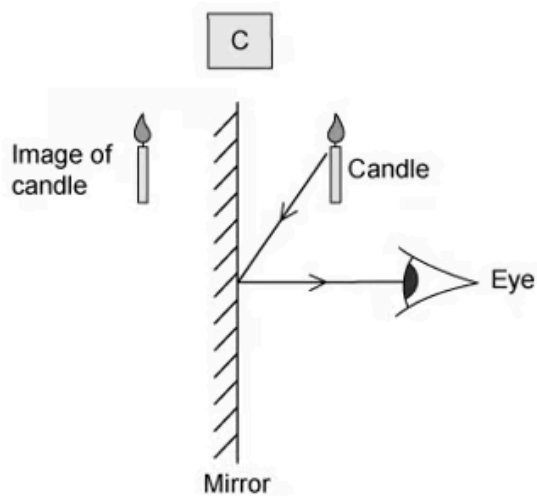
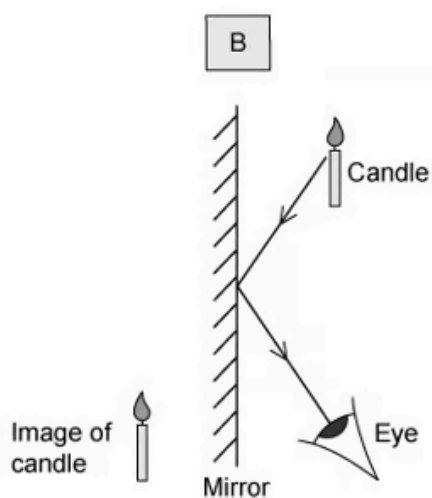
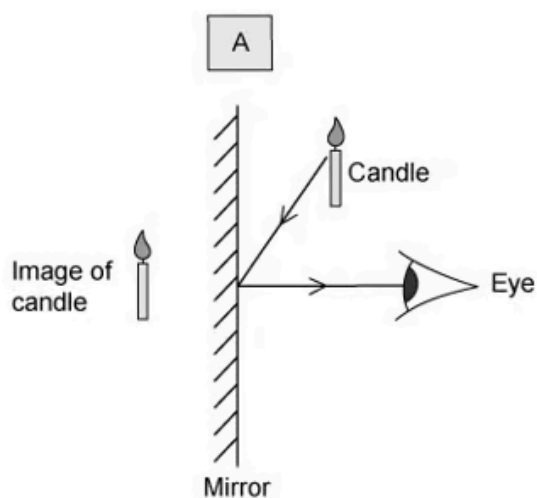
## Question Paper

Course	CIE IGCSE Physics
Section	3. Waves
Topic	Light
Difficulty	Medium

Time Allowed	10
Score	/5
Percentage	/100

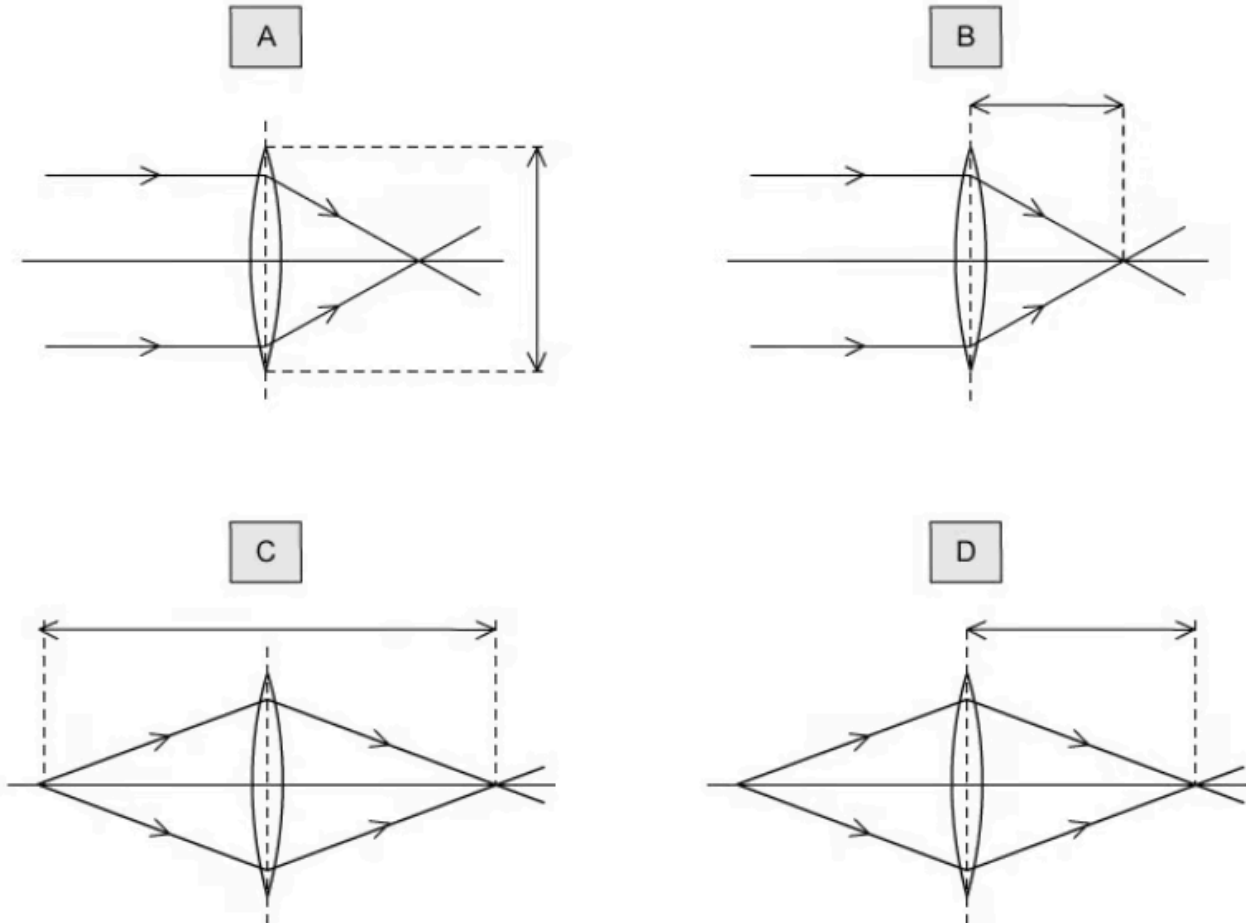
### Question 1

Which of the diagrams below shows both the correct position of the image, and the correct path the light rays must have taken to the eye?



[1 mark]

## Question 2



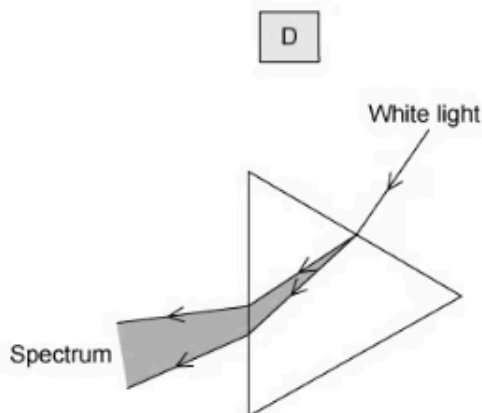
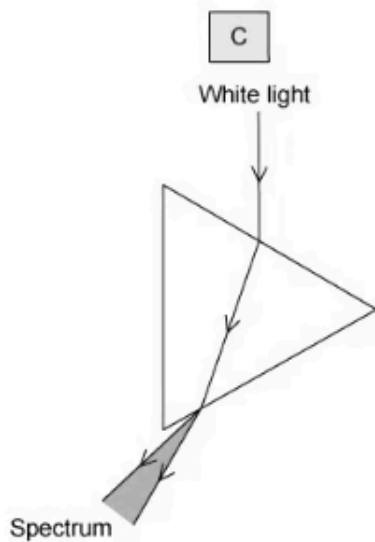
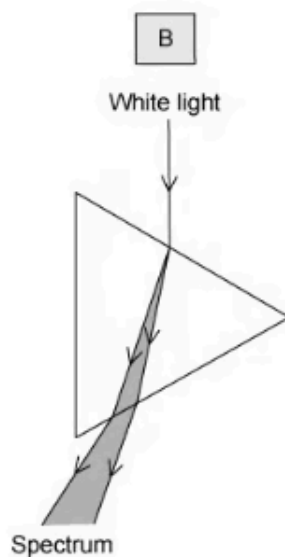
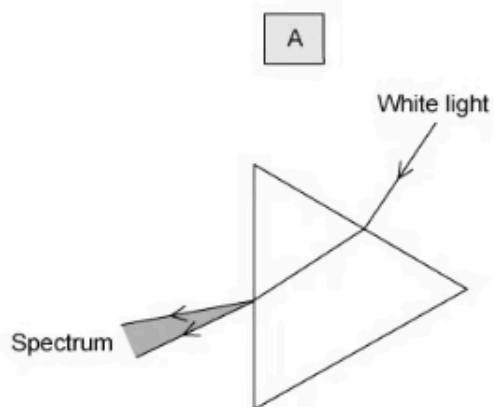
Which of the images correctly shows the focal length of the thin converging lens?

[1 mark]

### Question 3

A physics teacher demonstrates dispersion for her class. She asks the students to draw a diagram of the dispersion.

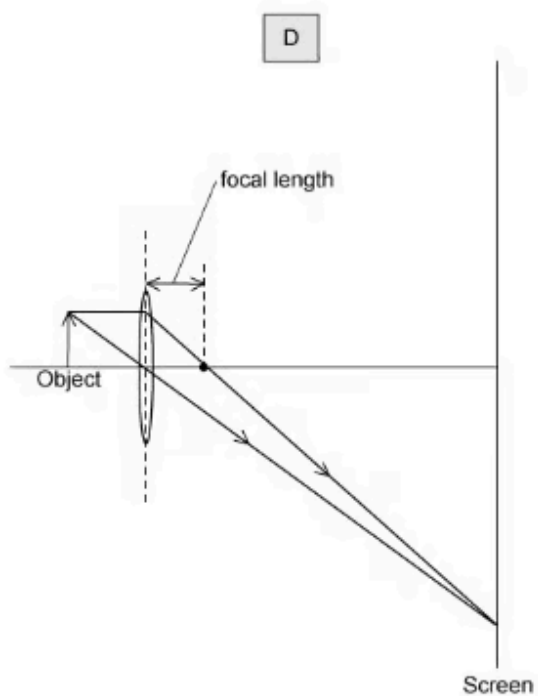
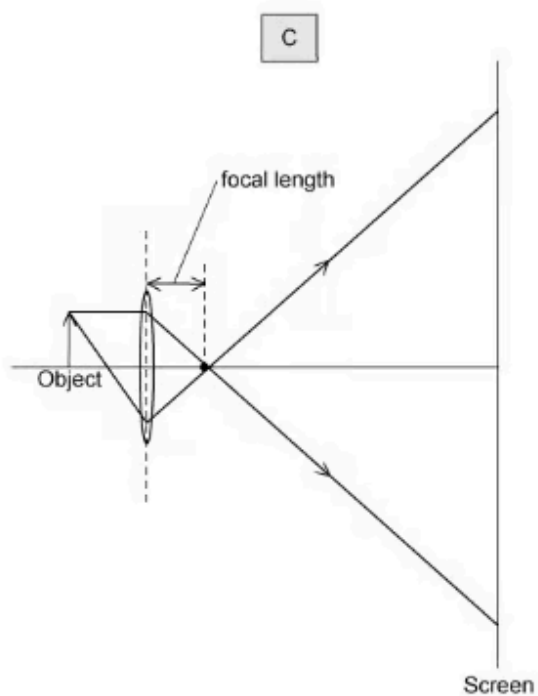
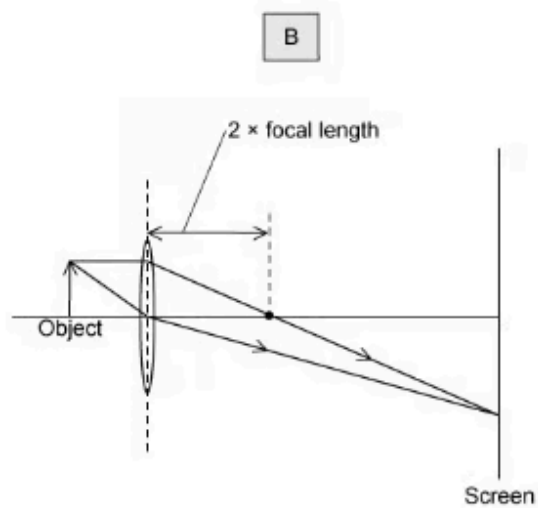
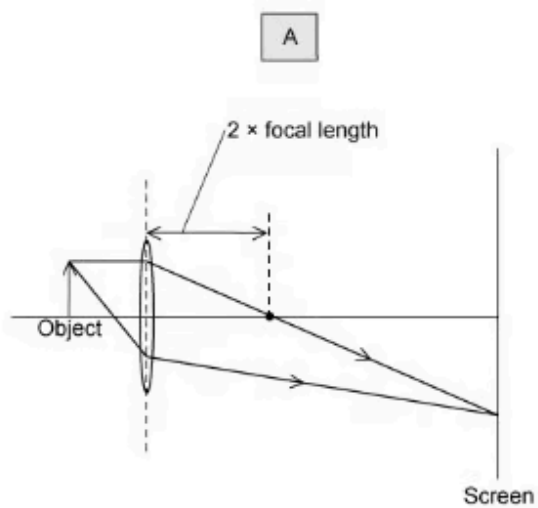
The diagrams show four examples of what different students drew. One of them is correct. Which one?



[1 mark]

#### Question 4

Which diagram correctly shows the formation of a real image on a screen?

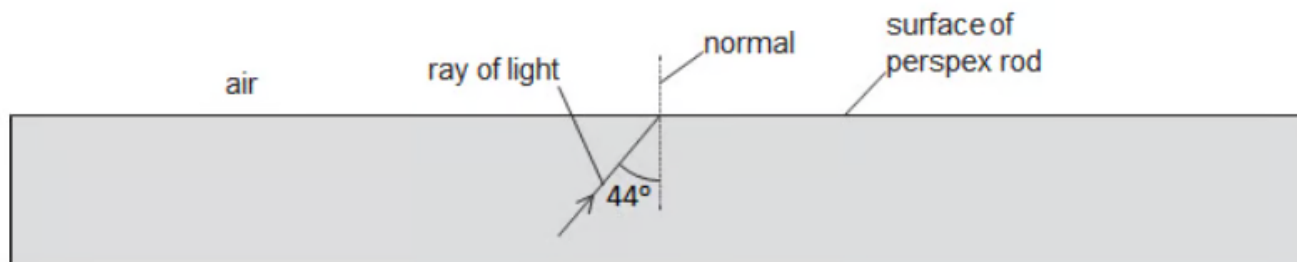


[1 mark]

### Question 5

The diagram shows a ray of light inside a perspex rod.

Perspex has a critical angle of  $42^\circ$ .



Which row in the table correctly states whether there is any light reflected from the surface, and whether there is any light refracted out of the perspex rod?

	Light reflected?	Light refracted?
A	yes	yes
B	yes	no
C	no	yes
D	no	no

[1 mark]