

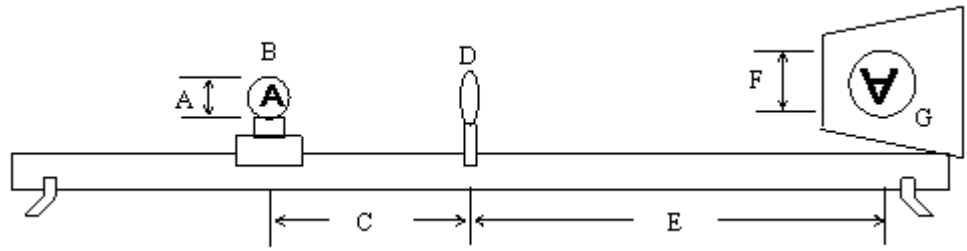


### Light 3

(Refer to your notes)

14. Using the diagram:

- A) What letter is  $h$ ?
- B) What letter is  $p$ ?
- C) What letter is  $q$ ?
- D) What letter is  $h'$ ?
- E) Which letter represents the object?
- F) Which letter is the image?
- G) Real or virtual image?
- H) What kind of device is it?



- I) Starting the top and bottom of the object to the image, draw the light rays.
- J) Label the focal point.
- K) Once you have the focal point, label  $f$  (which is not the focal point).

15. A 6.2 cm tall object is 4.3 cm away from a convex lens. If the image is 7 cm on the right side of the lens...

- A) Assign variables.
- B) Find the focal length of the lens.
- C) Find the magnification of the lens.
- D) Find the height of the image.