

## Activity 1 A

# Effect of Lens Size



### FOR YOU TO DO

If you have an assortment of lenses of various diameters, the students can explore the effect of the lens diameter on the image. Ideally, they would work with a pair of lenses with the same focal length but different diameter. You can suggest that the larger the lens, the more light it focuses on the image. Implicit in this explanation is the idea that the light from an object is fanning out in all directions.



**Do not allow students to use very bright lights or the sun as the source of the rays being focused.**



**Do not stare at the bright spot made by focused light rays.**

