

Pinhole camera

1. Fill in the Blanks:

- a. Pinhole cameras have been used for centuries and are a fun way to explore the science of _____ and optics.
- b. A pinhole camera is often used to demonstrate the basic principles of how _____ travels and forms an image.
- c. In a pinhole camera, the larger the _____ of the aperture, the brighter the image will be.
- d. The image formed in a pinhole camera is _____ , which means it appears upside down compared to the actual object.

2. True or False:

- a. Light travels in straight lines.
- b. The hole in a pinhole camera is also called an aperture.
- c. A smaller pinhole will result in a sharper image.
- d. Pinhole cameras can capture images in complete darkness.
- e. Pinhole cameras use mirrors to reflect light onto the film.

3. "What is a pinhole camera, and how does it work? Explain its basic principle and provide an example of its application in everyday life."
