PINHOLE CAMERA NOTE

**VIEWING NOTES**

At the most fundamental level, camera technology has not changed since the 1850s. All cameras are built on the same fundamental chassis – a \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ box with a \_\_\_\_\_\_\_\_\_\_ on the side of it.

One of the earliest such devices was the \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_, a darkened \_\_\_\_\_\_\_\_\_ with a hole in one wall. Because of the physics of \_\_\_\_\_\_\_\_\_\_\_\_, a scene \_\_\_\_\_\_\_\_\_\_\_\_ the room is projected through the hole, \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ on the wall \_\_\_\_\_\_\_\_\_\_\_\_\_ the hole. Camera Obscura required an artist to \_\_\_\_\_\_\_\_\_\_\_\_\_ the image projected, in order to capture it.

With the invention of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ photography, it became possible to shrink the camera obscura down to the size of a box.

A pin hole camera is a completely \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ box and in the back is placed a piece of \_\_\_\_\_\_\_\_\_. On the front is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, a flap I can open and close, with a piece of aluminum with a pin hole. When the shutter is opened, light passes through the pinhole and projected \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ onto the back of the box.

To make an exposure, you have to set the camera up, and try to \_\_\_\_\_\_\_\_\_ at where you think the framing is. Holding the camera very still, lift the shutter up and leave it open for a long time.

Below, draw a diagram of how an image is created in the camera obscura or pinhole camera.

**Pinhole Camera Article Questions**

1. How long do you expose your film in a pinhole camera?
2. How does the shape of your camera alter the resulting photo?
3. What makes a pinhole camera primitive?
4. A. How is a room with a window like a camera obscura?

b. How will the size of the window alter the projected image?

 5. Why do some artistis prefer pinhole cameras to professional/modern ones?

 6. Why do the figures in Marcia Sheer’s photos disappear?

 7. How are pinhole camera images reminiscent of Impressionsistic paintings?

 8. Why is “every image a surprise” with a pinhole camera?