

Name \_\_\_\_\_

### Pinhole Cameras

1. Can you recognize what you are looking at with your pinhole viewer? Is it upside down or right side up?

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2. What happens to the picture when you move the screen farther back from the hole by pulling the cup out?

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3. Draw a tree with light rays from the top and bottom going through an aperture. Draw the picture of the tree on the screen as we would see it through the pinhole viewer.

4. Draw another picture of the tree showing what happens when the screen is moved further back.

5. Did you notice that images were upside down? How did you know they were upside down?

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6. When was it easiest to see an image on the wax paper screen? Why do you think that is?

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7. Did moving the cup with the screen change the image at all?

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8. Were you able to make images bigger or smaller with your viewer? Describe how you tried to do this.

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