

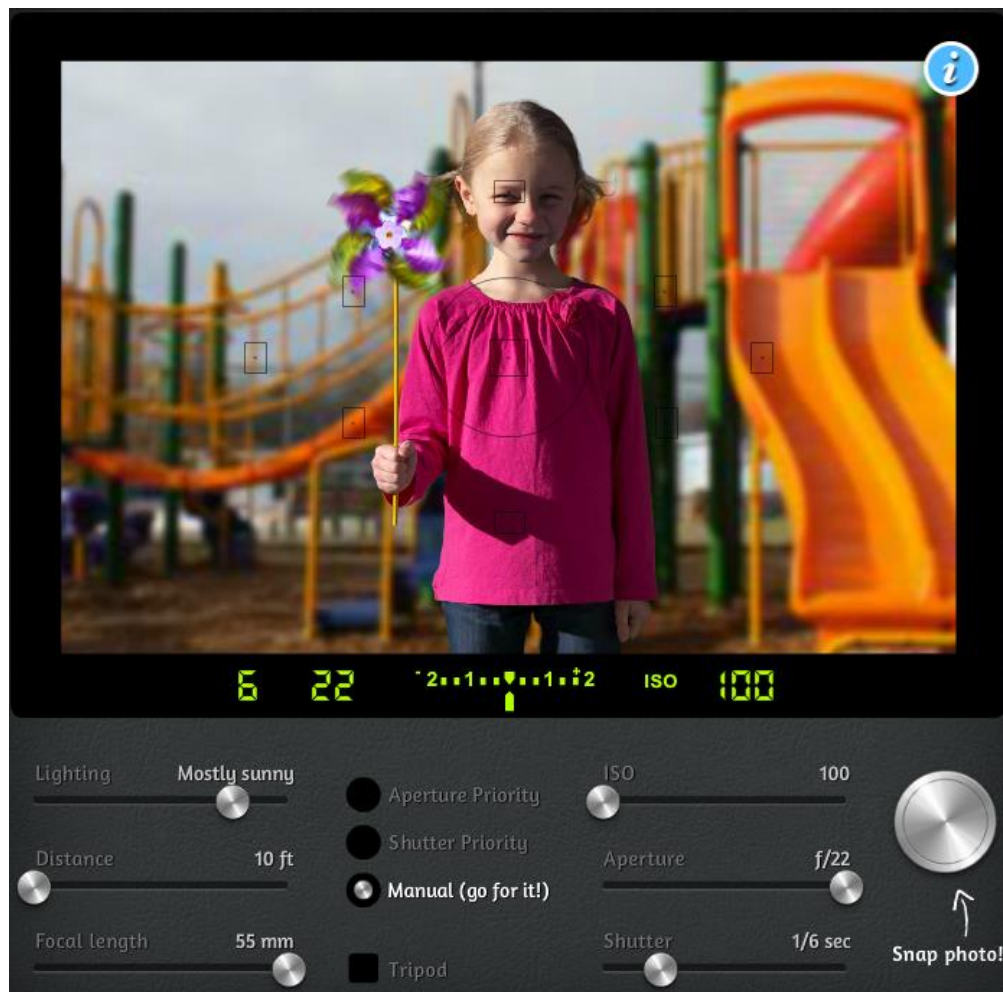
Name _____
Engineering Technology Department

Date _____
Period _____

Working With the Aperture Assignment

Directions:

The purpose of this assignment is to see how apertures can control light and/or depth of field. Go to the website <http://camerasim.com/camera-simulator/> and adjust the settings to resemble the ones that are listed below:



Make sure the light meter is balanced after adjusting the specified settings. If the meter is not balanced, you must continue to slide the “Lighting” setting towards the “Mostly Sunny” that will balance the meter. Prior to starting the activity, all settings must look exactly like the image above. Ask the instructor for assistance if you have a problem with the settings.

Assignment continued on back!

Working With the Aperture Assignment

You are ready to experiment with aperture settings. First, set the simulation for Aperture priority. Second, set the aperture setting to the listing under the aperture setting column. After recording the shutter speed, click the “snap photo” button and *observe the image carefully*. Lastly, record the characteristics (clear, blurry, very blurry) of the image in the columns provided.

#	Shutter Speed	Aperture Setting	Pinwheel Observation	Background Observation	Human Observation
1		f/22 with tripod			
2	Remove Tripod	Remove Tripod	Remove Tripod	Remove Tripod	Remove Tripod
3		f/7.1			
4		f/5.6			
5		f/4.5			
6		f/4			
7		f/2.8			

1. As your f-stop increases in diameter (f/22 – small opening, f/2.8 – large opening) what happens to the background images visually?

2. Based on the chart above what becomes a potential problem when you start to use apertures of a smaller diameter?