Digital Photography 1: Camera Simulator **Name:**

Go to this website to complete the assignment: **Period:**
http://camerasim.com/apps/original-camerasim/web/

In this exercise you will be experimenting with an online, camera exposure simulator and begin to understand the fundamental relationship between ISO sensiivity, shutter speed and aperture. You will also see how changing the focal length of your lens effects the perspective in the camera frame.

Vocabulary
(Provide a descriptive definition for the following terms. Use complete sentences and write in your own words.)

Shutter speed: _____

_____

Aperture: _____

_____

ISO: _____

_____

Focal Length: _____

_____

Camera Mode: _____

_____

Key Questions

1. What happened when you used a slow shutter speed? What happened when you used a fast shutter speed?

2. What happened when you used a large aperture versus when you used a small aperture?

3. What happens when you change the ISO?

4. How does changing the focal length effect your photograph? How does changing the subject distance effect your photograph?

Turn over--->

Create the following photographs using the camera simulator. List the settings you used to make a successful photo.

The photographs must be properly exposed to count, so make sure the exposure meter is centered before you take the photo. MAKE SURE THE CAMERA SIMULATOR IS IN MANUAL MODE!

1. A close up photograph of the girl. Freeze the pinwheel so there is no blur from the spinning.

ISO_____ Shutter speed _____ Aperture_____ Focal Length _____ Distance_____

2. A wide shot showing a lot of the background, everything in focus, no blur from the spinning pinwheel.

ISO_____ Shutter speed _____ Aperture_____ Focal Length _____ Distance_____

3. A photograph in which the girl is sharp and in focus, but the pinwheel show blur from motion and we can tell it is spinning.

ISO_____ Shutter speed _____ Aperture_____ Focal Length _____ Distance_____

Correctly label each of the elements displayed in the viewfinder: