

# Aperture on Camera Simulator

*This is the Camera Simulator. It allows you to practice exposure settings and see how they affect the picture without getting out a real camera. Today I'd like you to practice with Aperture. Please adjust the settings exactly as the directions state. Write your answers down on a separate sheet of paper.*

## **1. Set the Camera Simulator to:**

Aperture Priority

Lighting Sunny

Distance 7.5 ft

Focal Length 55mm

ISO 100

Aperture f/2.8

**What kind of depth of field do you get?**

## **2. Change your settings to:**

Aperture f/10

**How does the DEPTH OF FIELD change compared to the first photo?**

**3. What is different about the pinwheel at f/2.8 compared to f/10?**

**4. Why does the pinwheel look different?** (*Hint: While you were changing the aperture the camera was changing something else.*)

**5. Change your settings to:**

Lighting Mostly Sunny

Aperture f/22

**What happens to the photo?**

**Why?**

**6. How would use an aperture of f/22 AND prevent camera shake?**  
*List the settings you changed and what you changed them to to achieve this.*

**7. Change your settings to:**

Lighting Overcast

ISO 200

**On an overcast day, what would your aperture need to be set to to make a decent photo?**

**8. Summarize how the weather affects your aperture choice.**

**9. Change your settings to:**

Lighting Sunny

Distance 3 ft, then 10 ft

ISO 200

Aperture f/4.5

**Take a picture at a 3ft distance and then at 10 ft. How does the DEPTH OF FIELD compare at the two different distances.**

10. So, if you want to have the **smallest** depth of field possible what **two** things can you do?