

1. Watch this: <http://youtu.be/cFVbLnXWn6A>

Copy and paste these questions to your essential questions:

- a. What is the iris?
- b. What does it do?
- c. How do images appear on the retina?

2. Now watch this: <http://youtu.be/lwfEcyA1Jio#t=40s>

Aperture is the space left inside the iris blades. In the human eye it's called the pupil.

- a. On your essential questions document, write down the different f-stop numbers in the video in order from largest, most wide open to smallest, most closed down.

3. Now watch this: http://youtu.be/YxXi-_R3YTQ

Note how the iris controls or throttles the light.

The CMOS image sensor in the video is similar to the CCD in our cameras.

4. Here is how a CCD is made: <http://youtu.be/bqJksXwrx7U>

Pretty sweet right?

