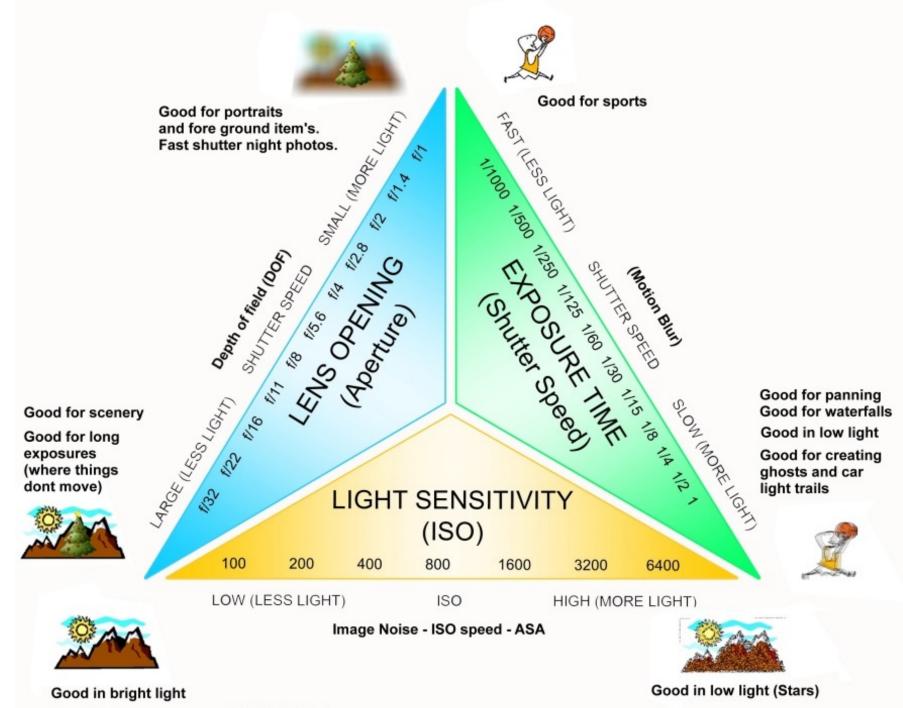
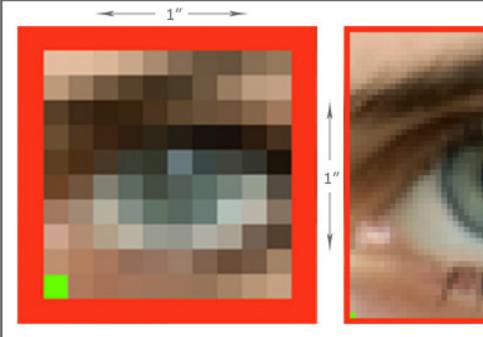
Intro to Photography: Session 2

5 MINUTE REVIEW



Good in bright light
Good for long exposures (Light Painting)

Detail from a 12x18 @ 240 PPI

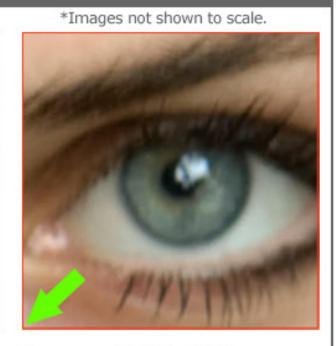


10 PPI 120px X 180px

a.



50 PPI600px X 900px



240 PPI2880px X 4320px



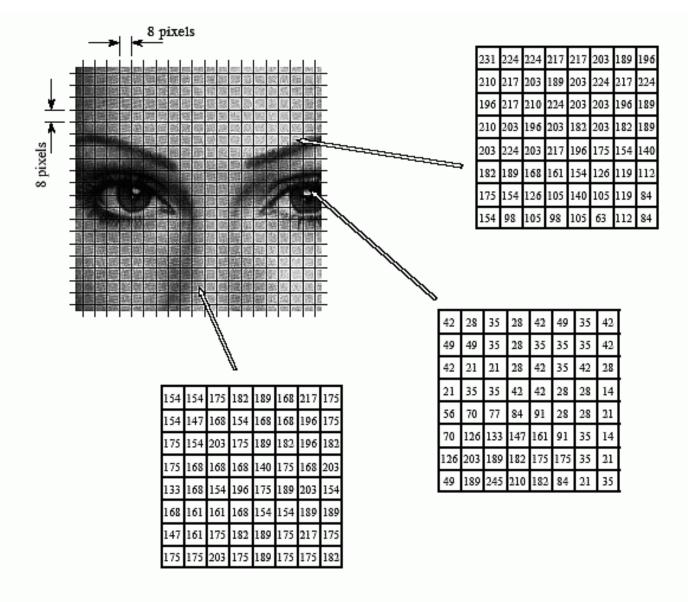
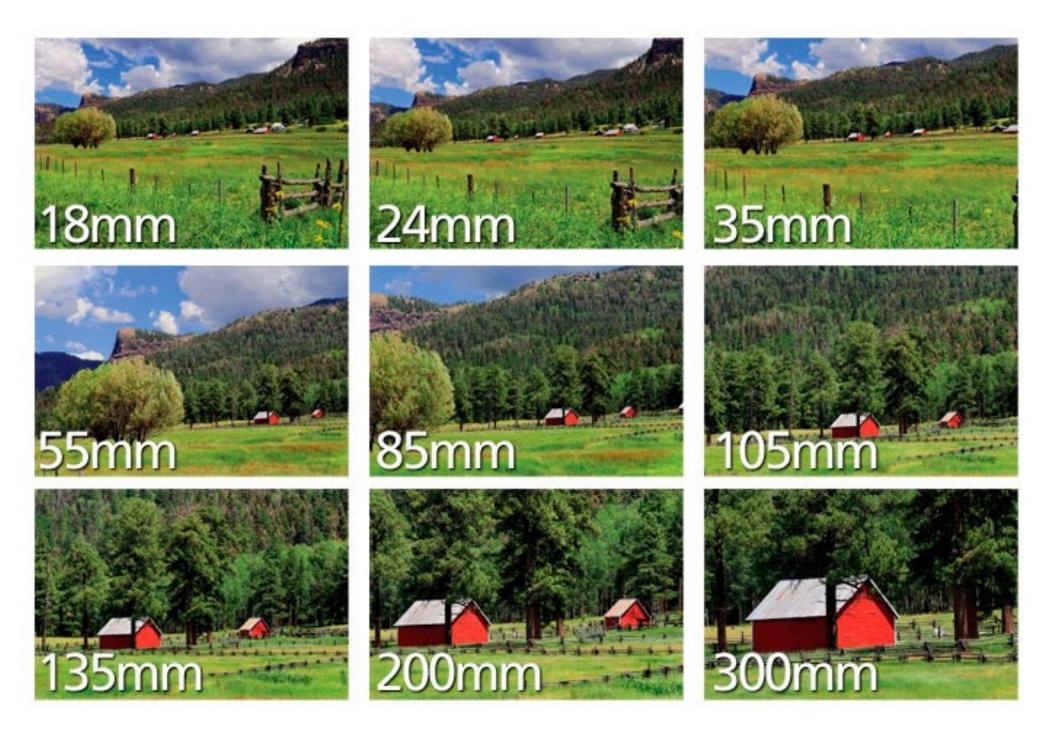
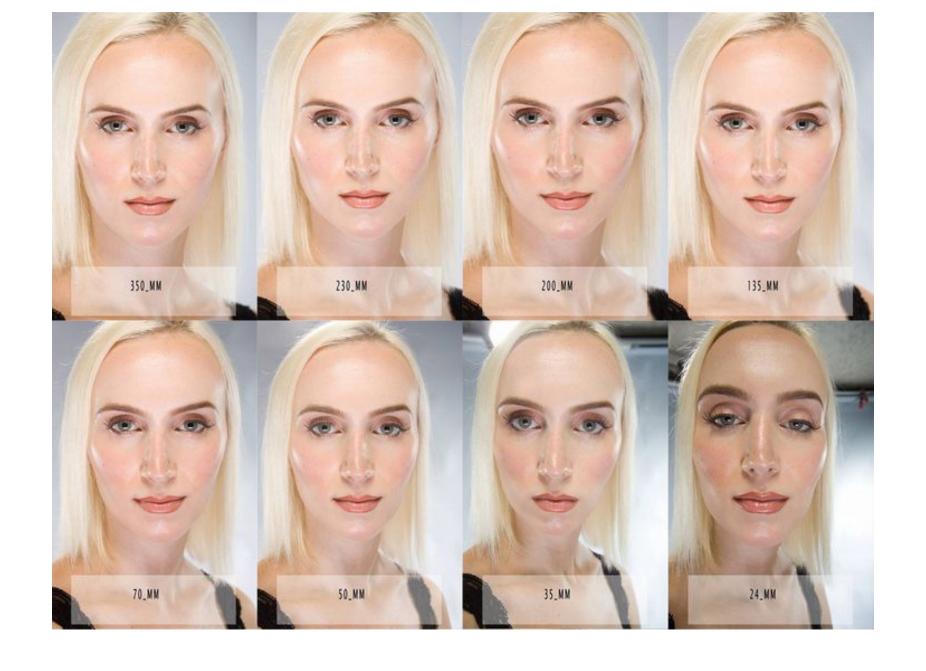


FIGURE 27-9

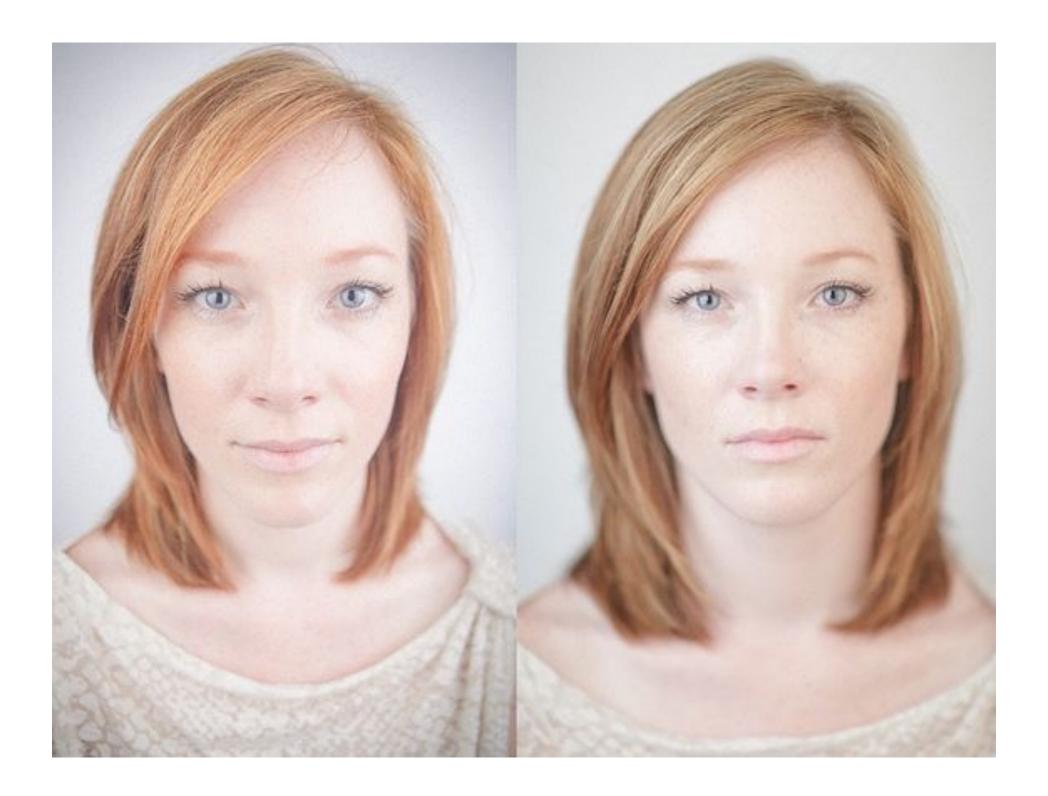
JPEG image division. JPEG transform compression starts by breaking the image into 8×8 groups, each containing 64 pixels. Three of these 8×8 groups are enlarged in this figure, showing the values of the individual pixels, a single byte value between 0 and 255.

JPG Compression





Lens Compression







16mm lens

35mm lens





70mm lens All take

All taken at the same aperture 150r

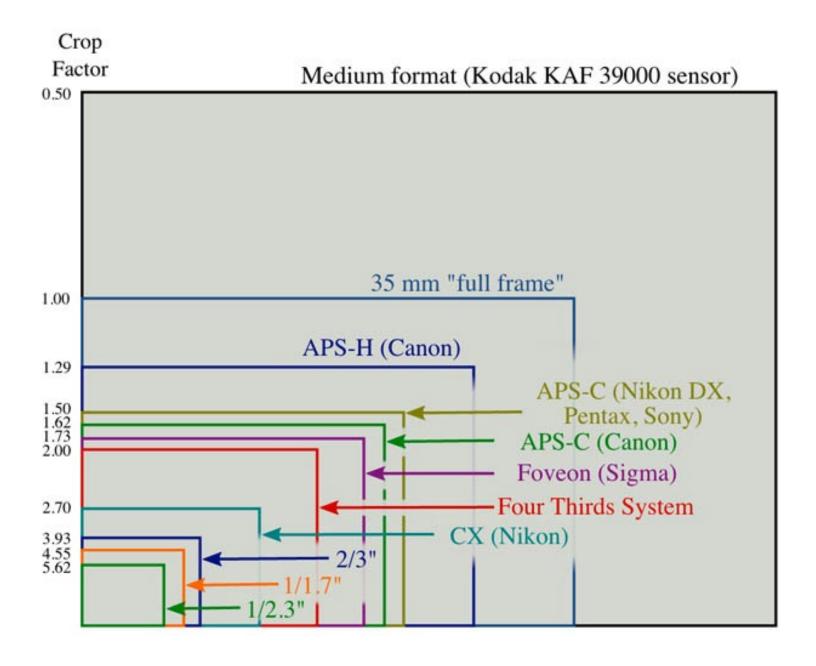
150mm lens



Depth of Field

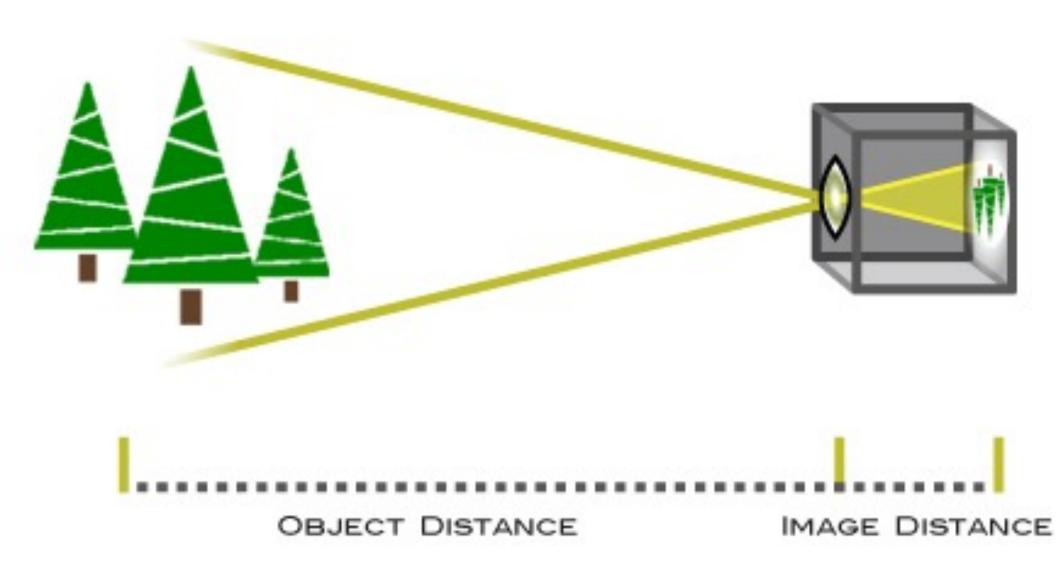


Telling Story with Perspective



*** Normal Lens is Determined by Sensor Size

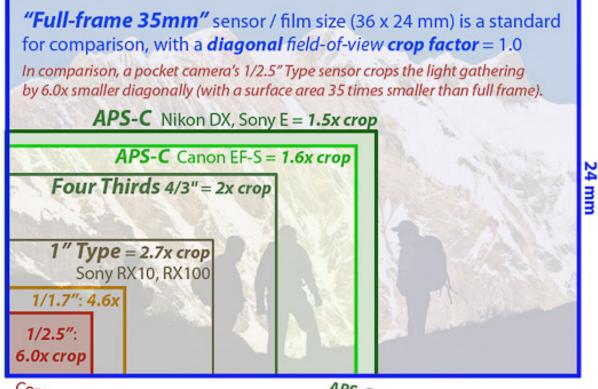
LENS FOCAL LENGTH



Lens Coverage

For new **digital cameras**, a bigger **sensor area** captures better quality, but requires larger diameter, bulkier lenses. To **optimize** the size of a serious **travel camera**, consider **1-inch Type sensor** or up to **APS-C sensor size**.

Full-frame sensor (Nikon FX, Canon EF, Sony FE) = **36 mm wide**"Full-frame **35mm"** sensor / film size (36 x 24 mm) is a standard



Compact & pocket zoom cameras have small, noisy sensors,

APS-C sensor gathers 15 times more light (area) than a tiny enough to extend superzoom lens reach.



Continuous vs Single vs Manual Focus

- In continuous focus the camera will continually focus wherever the selected focus sensor is aimed
 - Good for action or subjects that are constantly moving
- Single focus will activate and lock on a subject as long as the shutter release button is half pressed
 - Best for relatively stationary subjects
- Manual Focus You physically set where the camera is focused.
 - For most photographers, they should not use this setting.
 - Best for VERY stationary subjects, scientific or macro photography.

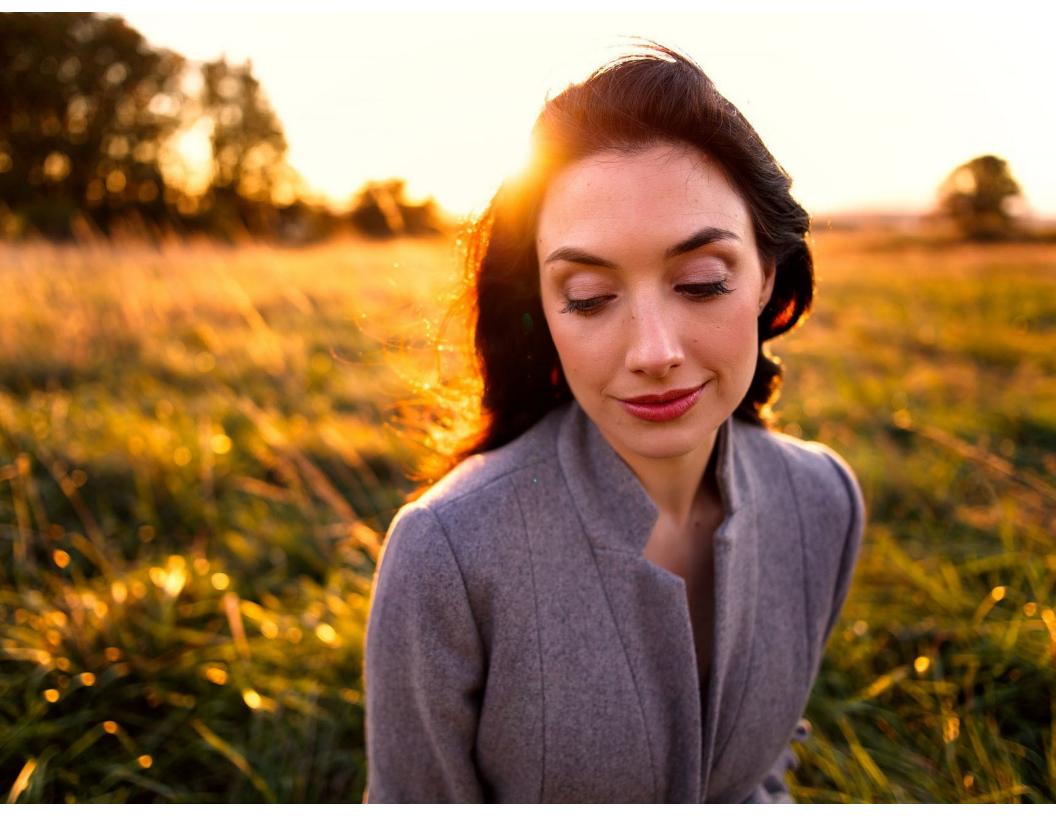
Focal Length Examples









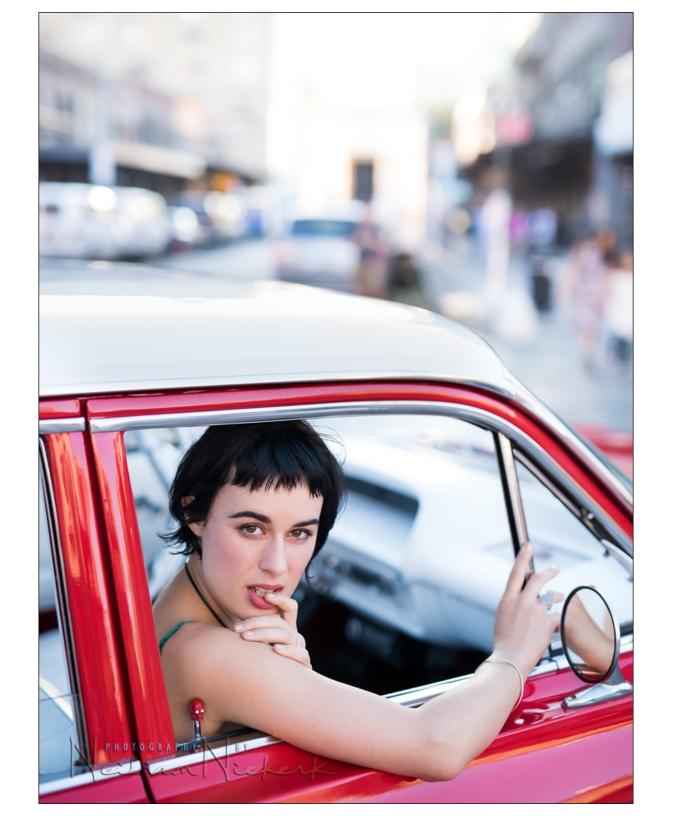


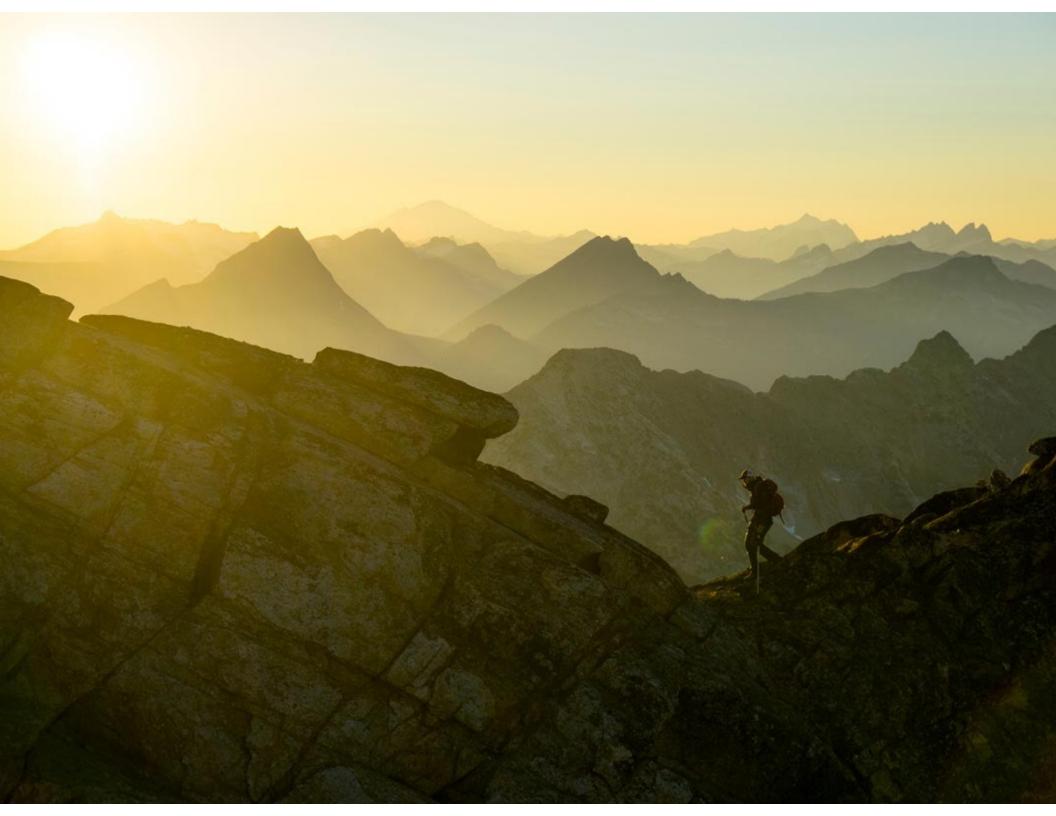
























Questions?

Homework

Break

Critique