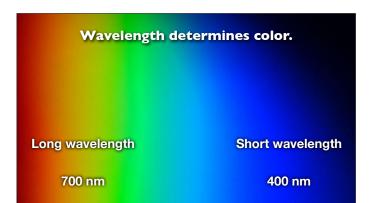
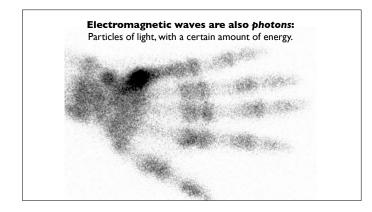


Frequency (how many waves hit every second) depends on wavelength. Which has a higher frequency—the short wavelength wave or the long wavelength wave?



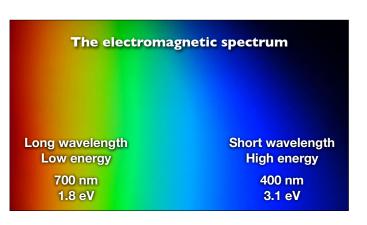


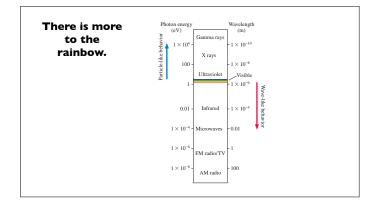


Writing with Light

Touch (gently!) different color flashlights to the glow-in-the-dark surface. Which colors leave trails?

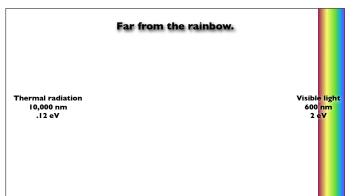


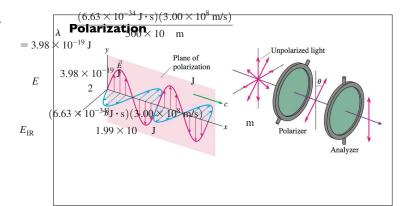


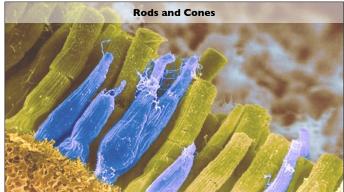


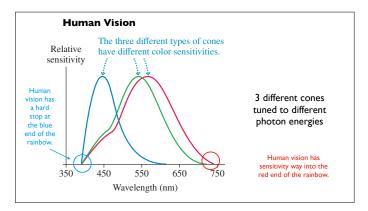


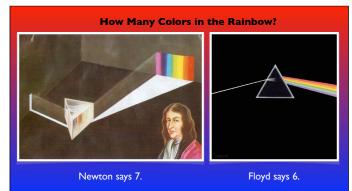


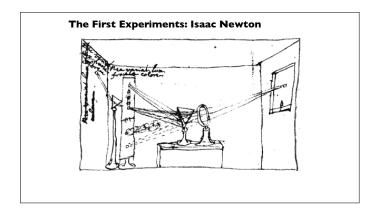


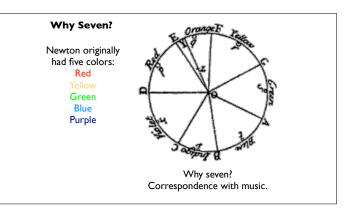


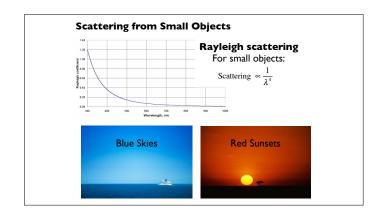


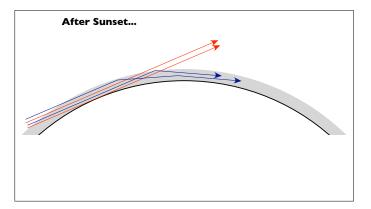


















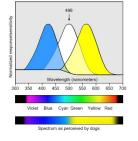
Question

Put the answer on your whiteboard

Think of all of the animals that might live on a farm. Who has the best color vision?



Most Mammals (Including Dogs & Cats)



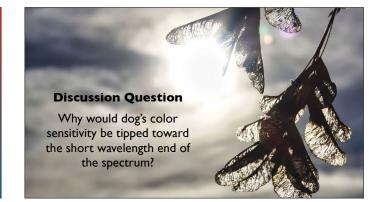
They can see colors including colors beyond the violet end of the rainbow.

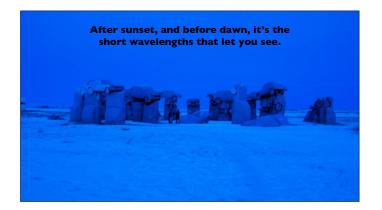
But they can't see red. They don't have any sensitivity at this end of the spectrum.

Dog Vision

Look at the different color objects through the cyan glasses. How do things appear?

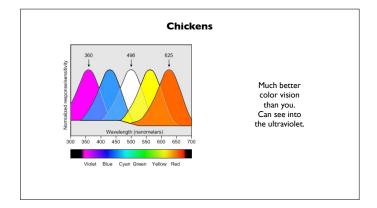






Bulls can't see red.







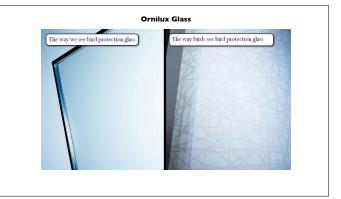


Urine is fluorescent.

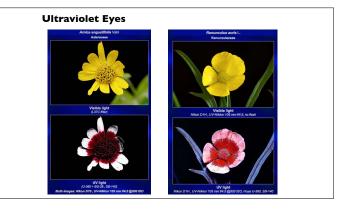
lt strongly absorbs ultraviolet light.

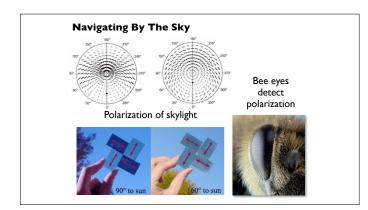


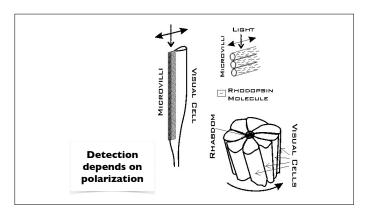
















Thermal Images

Use the thermal imager to look around the room. What do you see?





