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Light + Color

Light is a form of electromagnetic energy.

Visible light is a small portion of the electromagnetic spectrum.

Most light is produced by atoms.

Atoms release visible light when they release energy.

Color is how we perceive the energy of light.
Red is the lowest energy light that we see.

Red $\lambda = 650\text{nm}$ Dark Red $\lambda = 750\text{nm}$

Violet is the highest energy light that we see.

Violet $\lambda = 400\text{nm}$

Range of Visible Light $\lambda (400 - 750\text{nm})$

Light travels in transverse waves as energy and is massless.

Light also behaves like a particle (photon) with mass.

Photons are tiny wave bundles of light energy.