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1.	Photon E	X. The fastest speed in the universe: the speed of light.	j.,	Radio waves C	Electromagnetic waves we feel as heat.
2	3 x 10 <sup>8</sup> m/sec	An orbit of electrons. To move from low to high requires energy.	2	Infrared A	<ol> <li>Dangerous EM waves that have very high energy and come from nuclear reactions.</li> </ol>
3.	Prism 🔘	C. All light visible and invisible.	3.	Ultraviolet E	C. EM waves that have very low energy : long wavelengths.
4.	Light F	D. Used to separate white light into its colors.	4.	X-rays 🔘	D. EM waves that can pass through skin and have short wavelengths.
5.	EM Spectrum(	P. A single particle or packet of light.	5.	Gamma rays	E. EM waves with more energy than visible light and can cause sunburns.
6.	Energy Level	A wave that can travel through a vac- uum.	6.		F. Long wavelengths; used in cell phones.
Is light a wave or a particle. Prove your answer:			Put these from shortest to longest wavelengths		
	Both		Radio waves Ultraviolet X-rays Visible Microwaves		
Wave-reflect particle-travels though spree			Xroy, W, VL, M, R		
where does light come from? elections excited + changing every levels			Put these from least energy to most energy.		
			Radio waves Ultraviolet X-rays Visible Microwaves		
			R, M, V, UV, Xrays		
1. What is the speed of light?					
3xo8m/s					
2. What variable do we use for the speed of light?					

When energy goes into an atom is light produced and how?

What is the speed of radio waves with a wavelength of 4.2 m?

Speed & Light!

What do scientists call all light, both visible and invisible?