Na	me	Date	Period	
Electromagnetic Spectrum Worksheet #1				
	1. In each of the following pairs, circle the form of radiation with the LONGER WAVELENGTH:			
	a. red light or blue light c. infrared radiation or red light		crowaves or radiowaves mma rays or UV radiation	
2. In each of the following pairs, circle the form of radiation with the GREATER FRE			diation with the GREATER FREQUENCY:	
	a. yellow light or green light c. UV radiation or violet light		ays or gamma rays I radio waves or FM radio waves	
3. In each of the following pairs, circle the form of radiation with the LOWER ENER			diation with the LOWER ENERGY:	
	a. red light or blue light c. infrared radiation or red light e. yellow light or green light g. UV radiation or violet light	d. gan f. x-ra	crowaves or radiowaves mma rays or UV radiation lys or gamma rays I radio waves or FM radio waves	
1.	Springfield's "Classic Rock" radio station broadcasts at a frequency of 102.1 Hz. What is the length of the radio wave in meters ?			
2.	A beam of light has a wavelength of 506 nanometers. What is the frequency of the light? What color is the light?			
3.	Blue light has a frequency of 6.98	3 x 10 ¹⁴ Hertz.	Calculate the wavelength of blue light in nat	nometers.
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