n	

WS 4.0 $1 m = 10^{\circ} n$	m		p
	Part of the EM spectrum	*Wavelength (nm)	<u>Color</u>
5×10^7 and longer	radio	650 – 700	red
5×10^5 to 5×10^7	microwave	590 - 650	orange
700 to 5×10^5	infrared (IR)	580 - 590	yellow
400 to 700	visible*	490 – 580	green
10 to 400	ultraviolet(uv)	420 – 490	blue
10 and below	gamma or x-ray	400 - 420	violet
coart of spectrum m λ = nm ν =	_		
	velength of 2200 nm.		
part of spectrum	_		
λ = m			
$\lambda = nm$			

ν =		

c. EM radiation with a frequency of 6.8×10^{16} H	łz.
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part of spectrum_____ $\lambda = \underline{\hspace{1cm}} m$ $\lambda = \underline{\hspace{1cm}} nm$

d. E	ĿΜ	radiatic	n with	ı a	wave	length	ot	242	nm.
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part of spectrum____ $\lambda = \underline{\hspace{1cm}} m$ $\lambda = \underline{\hspace{1cm}} nm$

e. EM radiation with a wavelength of 3.05 meters. (yes, meters!)

part of spectrum____ $\lambda = \underline{\hspace{1cm}} m$ $\lambda = \underline{\hspace{1cm}} nm$ $\nu = ___$

EM radiation with a frequency of $5.87 \times 10^{14} \text{Hz}$.
art of spectrum
. = m
. = nm
'=

1a. Notes on Electromagnetic Radiation!!!