

Name: _____ Date: _____ Hour: _____

Electromagnetic Spectrum

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Directions: Highlight or circle the word that best describes the properties of each type of EM wave. Use pp.79-86

Wave Type	Frequency	Wavelength	Energy Level	Use
Radio Waves	lowest	shortest	lowest	1.
	lower	shorter	lower	
	low	short	low	2.
	intermediate	intermediate	intermediate	
	high	long	high	1.
	higher	longer	higher	
	highest	longest	highest	2.
	lowest	shortest	lowest	
Microwaves	lower	shorter	lower	1.
	low	short	low	
	intermediate	intermediate	intermediate	2.
	high	long	high	
	higher	longer	higher	1.
	highest	longest	highest	
	lowest	shortest	lowest	2.
	lower	shorter	lower	
Infrared Rays	low	short	low	1.
	intermediate	intermediate	intermediate	
	high	long	high	2.
	higher	longer	higher	
	highest	longest	highest	1.
	lowest	shortest	lowest	

Wave Type	Frequency	Wavelength	Energy Level	Use
Visible Light	lowest	shortest	lowest	1.
	lower	shorter	lower	
	low	short	low	2.
	intermediate	intermediate	intermediate	
	high	long	high	
	higher	longer	higher	
	highest	longest	highest	
U.V. Rays	lowest	shortest	lowest	1.
	lower	shorter	lower	
	low	short	low	2.
	intermediate	intermediate	intermediate	
	high	long	high	
	higher	longer	higher	
	highest	longest	highest	
X-Rays	lowest	shortest	lowest	1.
	lower	shorter	lower	
	low	short	low	2.
	intermediate	intermediate	intermediate	
	high	long	high	
	higher	longer	higher	
	highest	longest	highest	
Gamma Rays	lowest	shortest	lowest	1.
	lower	shorter	lower	
	low	short	low	2.
	intermediate	intermediate	intermediate	
	high	long	high	
	higher	longer	higher	
	highest	longest	highest	