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Electromagnetic Spectrum Vocabulary

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| **Across**  **4.** EM waves with wavelengths just greater than the red end of visible light, but less than microwaves, emitted by heated objects.  **6.** EM waves with long wavelengths and low frequencies used for communication.  **10.** Term used to describe the entire range of light waves that exists.  **11.** The distance extending three nodes of an electromagnetic wave.  **12.** A measurement of the photons carried in an electromagnetic wave. | **Down**  **1.** The number of waves that pass a given point in one second of time.  **2.** EM waves with frequencies between radio and infrared used in heating foods.  **3.** EM waves with wavelengths from 380-700 nm that are the only EM waves viewable by the human eye.  **5.** EM waves with wavelengths just shorter than the purple end of visible light, but longer than x-rays. These waves cause skin damage.  **7.** Extremely high energy penetrating EM waves produced by decaying atomic nuclei.  **8.** SI unit of frequency equal to one cycle per second.  **9.** High Energy EM waves with frequencies just higher than ultraviolet waves used in medical imaging. |

   wavelength       electromagneticspectrum       x-rays       infrared       energy       ultraviolet       microwaves       hertz       frequency       visiblelight       radio       gamma