

Name \_\_\_\_\_

Period \_\_\_\_\_

**Worksheet on Electromagnetic Radiation**

Fill in the following table dealing with wavelength, frequency, and energy for electromagnetic waves. All travel at the speed of light. Show your work for each on the back of this page.

Velocity(m/s)	Wavelength(m)	Frequency(Hz)	Energy(J)
		$5.80 \times 10^{14}$	
			$4.75 \times 10^{-19}$
	3.07		
		$5.20 \times 10^{14}$	
			$3.00 \times 10^{-19}$
	$4.75 \times 10^{-7}$		
			$3.98 \times 10^{-18}$
		$5.8 \times 10^{14}$	
	$7.50 \times 10^{-10}$		
		$9.55 \times 10^7$	
			$5.50 \times 10^{-15}$