

Name _____

Chemistry-A Unit 3

Electromagnetic Spectrum Worksheet

1. In each of the following pairs, circle the form of radiation with the LONGER wavelength.
 - a. red light or blue light
 - b. microwaves or radiowaves
 - c. infrared radiation or red light
 - d. gamma rays or UV radiation
2. In each of the following pairs, circle the form of radiation with the GREATER frequency.
 - a. yellow light or green light
 - b. x-rays or gamma rays
 - c. UV radiation or violet light
 - d. AM radio waves or FM radio waves
3. In each of the following pairs, circle the form of radiation with the LOWER energy.
 - a. red light or blue light
 - b. microwaves or radiowaves
 - c. infrared radiation or red light
 - d. gamma rays or UV radiation
 - e. yellow light or green light
 - f. x-rays or gamma rays
 - g. UV radiation or violet light
 - h. AM radio waves or FM radio waves
4. What are 2 characteristics that differentiate types of electromagnetic radiation? _____ & _____
5. Name 1 characteristic that all electromagnetic radiation have in common. _____
6. What is the speed of x-rays? _____
7. What is the speed of gamma rays? _____