**Electromagnetic Spectrum: Note Quiz**

1. Electromagnetic Radiation travels at what speed?
2. The different types of Electromagnetic Radiation are different from each other why?
3. Which color of the visible spectrum has the shortest wavelength?
4. Which color of the visible spectrum has the longest wavelength?
5. The earth’s atmosphere is opaque to which forms of e.m.r.?
6. The earth’s atmosphere is transparent to which forms of e.m.r. ?
7. What is the difference between red and blue light?
8. Explain why we need telescopes for gamma rays, x-rays and Ultraviolet radiation in space.
9. Humans can see wavelengths between how many nanometers?
10. Explain alpha, beta and gamma radiation (α,β,γ).
11. Give an example of each type of Electromagnetic radiation and what in space produces that type..
12. What are Hertz (Hz)?
13. Which forms of radiation are damaging to humans?
14. Give examples of some sources of e.m.r. in space:
15. Frequency is measured in what unit?
16. Infrared is another name for what?
17. Does wavelength or frequency affect the speed of e.m.r?
18. Write a definition of opaque.