**Wave Model of Light Study Guide 2023**

1. Be able to label all parts of a wave.
2. What is the definition of Frequency? What is the formula?
3. Be able to calculate Frequency from a word problem.
4. What is the differences between wavelength and period?
5. What are the two different types of waves? How does the matter move in comparison to the direction of wave travel? (parallel or perpendicular). Give an example of each.
6. Define Reflection
7. Define Refraction
8. What is the visible spectrum?
9. Explain how we know white light contains all colours?
10. What happens to the light rays when visible light from the sun, strikes a yellow shirt?
11. What colour is the shirt is a completely dark room? Explain.
12. What does EMR stand for? What is the EMS?
13. Be able to list a use for each type of radiation.
14. Are all forms of radiation bad? Why/why not?
15. Scientific Method: Write a Question or Hypothesis for a given scenario. Identify the variables.