Study guide for chapter 22 – Physical Science

1. Know what kind of wave light is.
2. Know that this means it can travel through space or matter and consists of changing electric and magnetic fields
3. Know how light is produced.
4. Know why thunder is heard after lightning is seen –
5. Know how the electromagnetic spectrum works in terms of frequency versus wavelength
6. Know the types of waves in order from longest wavelength to shortest wavelength
7. Know the acronym for the colors of the rainbow
8. Short answer – Name one two ways waves can help us and two ways waves can hurt us
9. Know the difference between reflection, refraction, and diffraction
10. Know the three things that can happen when light strikes an object
11. Know the three types of matter and be able to describe them
12. Know how color works
13. Know the three primary colors of light
14. Know the absence of color is what
15. Know that all colors in light together are what color