**Formative Worksheet**

**Use pages 188 to 203 of your textbook and your half notes to help you answer the following questions.**

1. Define the following terms:
2. Luminous:
3. Non-luminous:
4. Diffuse Reflection
5. Ray of Incidence
6. Concave Mirror
7. Convex Mirror
8. Focal Point
9. Refraction
10. How does a ray diagram explain how shadows are formed? Draw a diagram to help explain your answer.
11. What are the three types of materials that light interacts with? Which of these materials allow the most light to pass through?
12. How does diffuse reflection differ from regular reflection?
13. What does the law of reflection state?
14. Draw a diagram of a concave mirror and a convex mirror showing how the light rays bounce off when they hit the mirror.
15. If you are outside on a sunny day with a metal bowl, which part of the bowl can damage your eyes because of the sun: the inside or the outside of the bowl? Explain.
16. Why does light get refracted when it travels from air to water?