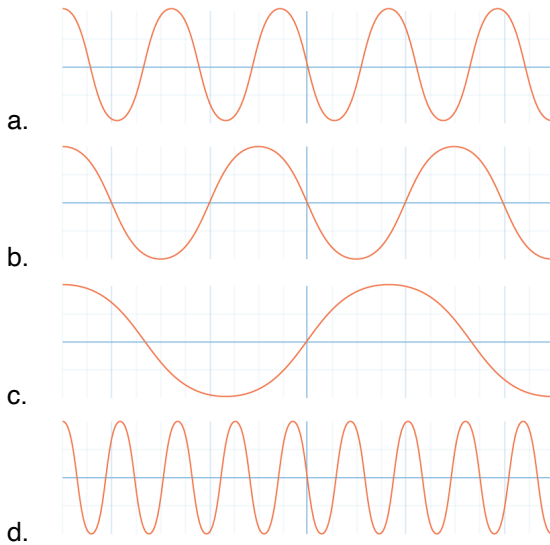


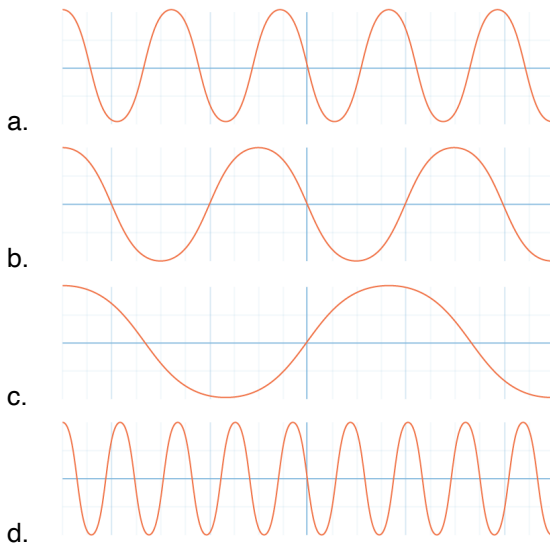
COLOR SENSOR

Lesson 1 Summative Assessment

1. Which of the following has the longest wavelength?



2. Which of the following has the highest frequency?



3. An x-ray has a low frequency.

- a. True
- b. False

4. A radio wave has a long wavelength.

- a. True
- b. False

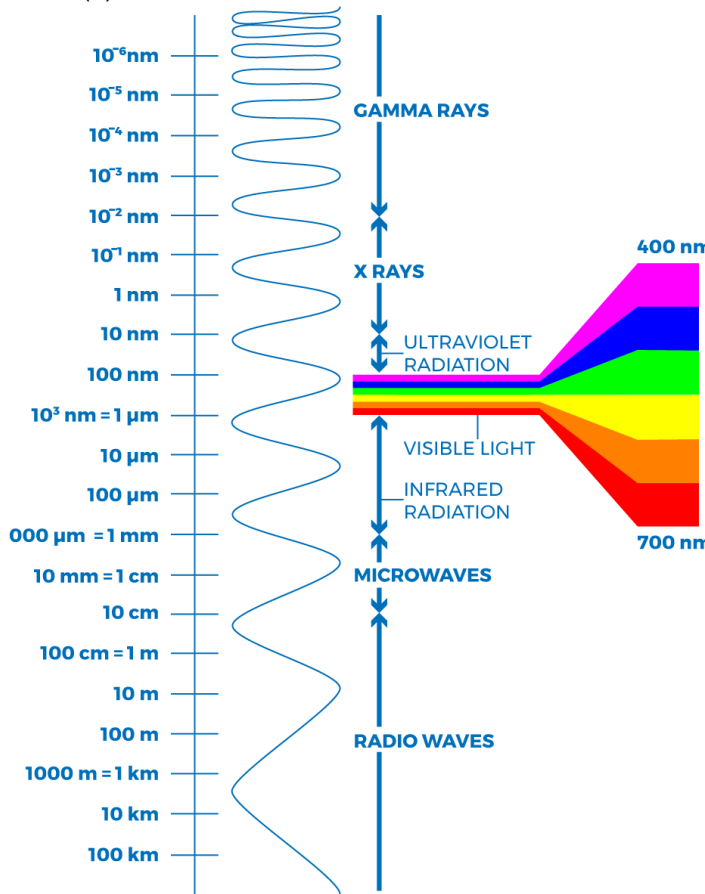
5. Microwaves are not light.

- a. True
- b. False

6. Every color has a different frequency.
 - a. True
 - b. False

7. Light waves can only be man-made.
 - a. True
 - b. False

8. Put the following colors in order from shortest to longest wavelength using the image below.
 - a. Red (5)
 - b. Green (3)
 - c. Blue (2)
 - d. Orange (4)
 - e. Violet (1)



9. Using the image above, select the most valid conclusion:
 - a. Gamma rays are high frequency waves.
 - b. X-rays have longer wavelengths than microwaves.
 - c. Infrared radiation has a higher frequency than visible light.
 - d. Ultraviolet radiation has less frequency than radio waves.

10. Infrared radiation can be used for:
- Night Vision
 - Tracking
 - Heating
 - All of the above