

**TEST NAME: Credit Recovery - Light (6.P.1.2)**  
**TEST ID: 699483**  
**GRADE: 06**  
**SUBJECT: Life and Physical Sciences**  
**TEST CATEGORY: My Classroom**

Student: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

1. Which statement best describes visible light?

- A. Visible light occupies most of the electromagnetic spectrum and requires a medium for travel.
- B. Visible light occupies most of the electromagnetic spectrum and can travel in a vacuum.
- C. Visible light occupies a small part of the electromagnetic spectrum and requires a medium for travel.
- D. Visible light occupies a small part of the electromagnetic spectrum and can travel in a vacuum.

2. Which part of the electromagnetic spectrum can humans sense without using equipment or technology?

- A. radio waves
- B. visible light
- C. microwaves
- D. X-rays

3. The electromagnetic spectrum is described as a

- A. series of colors of the rainbow.
- B. list of radioactive elements.
- C. band of frequencies of light waves.
- D. range of conductivity of metals.

4. Approximately what percentage of the electromagnetic spectrum is visible light?

- A. more than 75%
- B. 50%
- C. 25%
- D. less than 10%

5. Students heated three objects to different temperatures during a classroom demonstration. Each object emitted light of a different color as shown below.

Object 1: blue light  
Object 2: red light  
Object 3: orange light

Which list presents the objects in order from highest to lowest temperature?

- A. Object 1, Object 2, Object 3
- B. Object 1, Object 3, Object 2
- C. Object 2, Object 1, Object 3
- D. Object 2, Object 3, Object 1

6. Which statement is true about visible light?

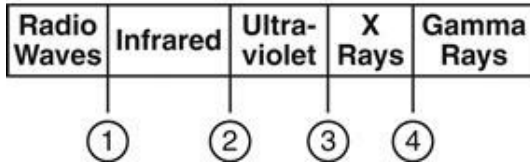
- A. Humans cannot see any light from the electromagnetic spectrum.
- B. Visible light makes up a small part of the electromagnetic spectrum.
- C. Visible light has a frequency equal to that of gamma rays.
- D. Humans can see visible light only as white light.

7. Which of these colors of visible light has the shortest wavelength?

- A. red
- B. green
- C. violet
- D. yellow

8. On the electromagnetic spectrum shown, which numbered position represents where the visible light spectrum is found?

### Electromagnetic Spectrum



- A. 1
- B. 2
- C. 3
- D. 4

9. Which statement about the electromagnetic spectrum is accurate?

- A. Gamma waves travel faster than radio waves.
- B. Ultraviolet waves make up most of the spectrum.
- C. X-rays travel slower than infrared waves.
- D. Visible light waves are a small part of the spectrum.

10. Which of these describes a small range in the electromagnetic spectrum?

- A. gravity
- B. radiation
- C. electricity
- D. light

11. Visible light in the electromagnetic spectrum

- A. is a broad band within the spectrum.
- B. is a narrow band within the spectrum.
- C. makes up 50 percent of the spectrum.
- D. makes up more than 75 percent of the spectrum.

12. Light waves are arranged in the electromagnetic spectrum by

- A. wavelength and brightness.
- B. speed and color.
- C. brightness and color.
- D. wavelength and frequency.

13. **Visible light is which type of wave?**

- A. seismic
- B. mechanical
- C. longitudinal
- D. electromagnetic