



## How we see colors

### Support LAL-MAL

NAME:

CLASS: 7/

**Q1: Observe the following objects and choose the correct answers:**

Object	Type of material	Color	Reason



**Q2: Choose the correct answer:**

1. The light of the shortest wavelength is:
  - a. Violet
  - b. Red
  - c. Green
2. The light of the lowest frequency is:
  - a. Red
  - b. Blue
  - c. Violet
3. Air particles slows down the sun rays, so light rays:
  - a. bend toward the Earth's surface
  - b. bend away from the Earth's surface
  - c. pass without refraction
4. Each wavelength is a particular.....
  - a. Amplitude
  - b. Color
  - c. Frequency
5. Light .....is defined as amount of energy that passes through a meter square in one second
  - a. Frequency
  - b. Wavelength
  - c. Intensity

Color	Wavelength
violet	380–450 nm
blue	450–495 nm
green	495–570 nm
yellow	570–590 nm
orange	590–620 nm
red	620–750 nm

**Q3: Look and explain:**

**MAL: Why does the apple appear red in the right picture, while appears black in the left one?**

