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Class: 8

Subject: science

Date: 17th Nov '16

Q.1. Answer the following questions:

- I. **What is light made up of?**
- II. **Refraction is the bending of light, but how can this be if light travels in straight lines?**
- III. **Why is the result of mixing colored lights not the same as the mixing coloured paints?**
- IV. **What are some ways scientists can use light for measurements?**

Q.2. choose the best answer

- I. Which travels faster, sound or light?

A: Sound

B: Light -----

- II. : Which can travel through a vacuum (space with no substance)?

A: Light

B: Sound

- III. What travels faster than light?

A: microwaves

B: nothing

C: sound

D: air

- IV. What type of particles make up light?

A: air

B: atoms

C: molecules

D: photons

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- V. Which is not a primary color?

A: red B: green C: blue D: yellow -----

- VI. What color do yellow and red make?

A: green B: blue C: orange D: pink -----

- VII. If you add red, yellow, and blue light together what color light do you get?



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A: white B: black C: brown D: green -----

VIII. If you add red, yellow, and blue paint together what color of paint do you get?

A: white B: brown C: black D: purple -----

IX. What is it called when light rays are bent when passing from one substance to the next?

A: radiation B: extraction C: refraction D: pointillism

X. A lens does which of the following?

A: Changes the direction of light

B: Makes an object appear smaller

C: Makes an object appear larger

D: All of the above

