

SURAJ SCHOOL

REWARI

A vibrant graphic for a holiday homework announcement. The central focus is a large, dark brown wooden sign with the words "Holiday Homework" written in a bold, red, cursive font with a white outline. The sign is surrounded by various holiday-themed and educational icons. At the top center of the sign is a glowing yellow lightbulb with radiating lines. To the right of the sign is a red and yellow striped beach umbrella. Below the sign are a pair of yellow sunglasses with a tropical scene reflected in the lenses, a red and white striped beach ball, and a colorful flip-flop. The background is white with faint, light-colored icons of a microscope, a book, a magnifying glass, a lightbulb, a calendar, a pencil, a test tube, a beaker, a DNA helix, a globe, and a bar chart. The overall theme is a mix of summer vacation and school subjects.

Holiday Homework

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Class 10th, Physics

- In which of the following the image of an object placed at infinity will be highly diminished and point sized?
A. Concave mirror B. Convex mirror C. Convex lens D. All of these
- Two thin lenses of focal length 20 cm and 25 cm are in contact the effective power of the combination is
A. 4.5 D B. 18 D C. 45 D D. 9 D
- Which of the mirrors has large field of view?
A. Convex B. Concave C. Plane D. All of these.
- What is the power of a concave lens of focal length 25 cm?
- What is the value of focal length of a plane mirror?
- Can a real image be taken on a screen?
- Which of the two mirrors is diverging-concave or convex?
- Name the best reflector of light.
- What are the units of refractive index?
- Write down the mirror formula.
- What is the basic cause of refraction of light?
- Define refractive index.
- An object is placed at a distance of 30 cm in front of a convex mirror of focal length 15 cm. Write the nature of the image formed by the mirror.
- Define reflection of light with the help diagram.
- Write the laws of reflection of light.