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Assertion :Bluish colour predominates in a clear sky, since blue has a shorter wavelength and is scattered strongly. Reason: Blue has the shortest wavelength among all colours.

Blue Sky It is normal to say that the sky appears blue in colour. Have you ever thought about why it appears blue? When sunlight enters the Earth's atmosphere, it gets scattered by the atmospheric

Statement 1 : On viewing the clear blue portion of the sky through a Calcite crystal, the intensity of transmitted light varies as the crystal is rotated. Statement 2: The light coming from the sky is

The molecules of air and other fine particles in the atmosphere have size smaller than the wavelength of visible light. These are more effective in scattering light of shorter wavelengths at the blue end. This

Why Is the Colour of the Clear Sky Blue? And Why Are the Clouds White? Molecules with a larger size than the wavelength of light experience the scattering effect differently; the phenomenon is known as

When a white light (from sun) enters the earth's atmosphere, it gets scattered away due to the atmospheric particles. Since, blue colour has the minimum wavelength, so blue colour scatters the

(a) Draw a neat and labelled diagram of the experimental set up for observing the scattering of light in a colloidal solution of sulphur to show how the sky appears blue, and the sun appears red at sunrise

Atmospheric optics is the scientific study and explanation of the unique and stunning optical effects in the sky. It encompasses the principles of physics that help answer common questions like why

the

Generally, blue light is scattered to a greater extent when compared to red light. This is because the wavelength of blue light is smaller than that of red light. This is the reason why the smoke released

Why Does the Sunlight Appear Red, Orange or Yellow? When the sun rays enter the earth, they get distorted by the earth's atmosphere including air molecules, dust and smoke. We know that different

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