

Scattering of Light

1. Fill in the blank

A. Shorter wavelengths and high frequency light result in _____ scattering.

2. True or false

A. Scattering of light means the light spreads in all directions.

B. The scattering of light is similar from the reflection and refraction of light.

3. Match the following:-

Column A	Column B
I. Blue color	A. 23°
II. Red color	B. Plain mirror
III. Regular reflection	C. Scattered less
IV. Critical value of diamond	D. Scattered the most

4. Answer the following questions

A. What do you understand by scattering of light?

B. Why red color does appear at the time of sunrise or sunset? Explain.

C. Why do we see blue color in the sky? Explain.

D. What are the applications of scattering of light? Describe them.