

RAREFACTION

Meaning: Rarefaction is the reduction in density and pressure in a medium, often associated with the propagation of sound waves.

1. Rarefaction occurs when the density of a medium decreases, leading to a drop in pressure.
2. In the study of sound waves, rarefaction is crucial for understanding how sound travels through different materials.
3. The rarefaction of air in a vacuum creates an environment where sound cannot propagate effectively.
4. Scientists observed rarefaction in the gas as it expanded rapidly during the experiment.
5. Understanding rarefaction is essential in fields like acoustics and material science.

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