

GEHS 7500

Air Sampling & Analysis

- Aerosol Science
& Particle
Sampling

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AEROSOL

Dispersion of solid or liquid particles of microscopic size in a gaseous medium.

- **dusts**: solid, inert particles derived from mechanical pulverization of larger pieces of the material
- **mists**: liquid droplets produced by mechanical action breaking bulk liquid into small particles or by condensation of vapor
- **fumes**: fine particulate formed by evaporation and rapid condensation of metal or other high temperature vapor, often accompanied by reaction (oxidation)
- **smokes**: fine particulate formed by the pyrolysis or partial combustion of organic materials