What is Particle Scattering?

●Theory:

● All materials scatter light in a certain direction whether it is in a solid, liquid or gaseous state. This scattering involves the release of photons by a material when it is hit with a beam of light. The release of photons dominate the principles diffraction and refraction.

●

● Mie�s theory says that scattering is greatly affected by size and shape. The bigger the particle the more light will be scattered in a forward direction. The same goes for a rougher surface. The smaller and smoother the particle the greater the tendency for equal scatter in all directions. (isotropic)

●

●