

Atom: Is the smallest amount of an element.

Molecule: Is the smallest unit of a compound.

Ion: An ion is a charged molecule or atom, when an atom or molecule loses one or more electrons it becomes a positive ion (cation). If an atom or molecule gains one or more electrons it becomes a negative ion (anion).

Diffusion:

The random mixing and moving of particles in liquids and gases is called diffusion.

E.g. A perfume mixing and spreading in air, it gradually moves from one side of the room to another.

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