



C.10AB

Aqueous Solutions

Picture Vocabulary

Aqueous Solution



A solution in which the solvent is water.

Solvent



The dissolving medium in a solution.

Solute



Dissolved particles in a solution.

Solution



A liquid mixture with a uniform composition.

Solubility



The amount of a substance that dissolves in a given quantity of solvent at specified conditions of temperature and pressure to produce a saturated solution.

Soluble



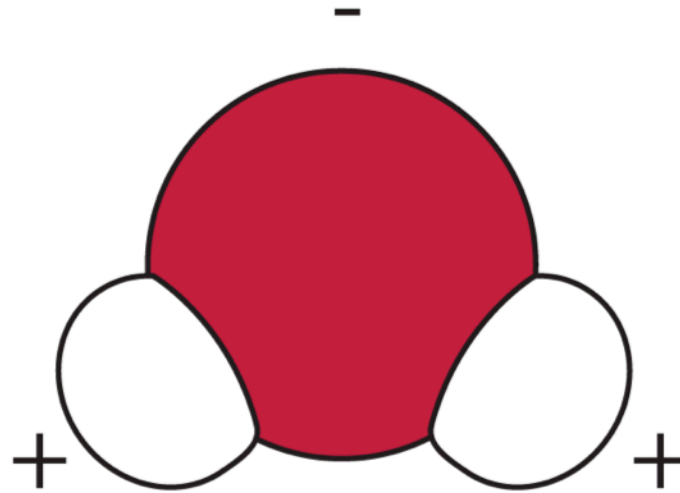
A substance that can be dissolved within a specific medium.

Insoluble



A substance that cannot be dissolved within a specific medium.

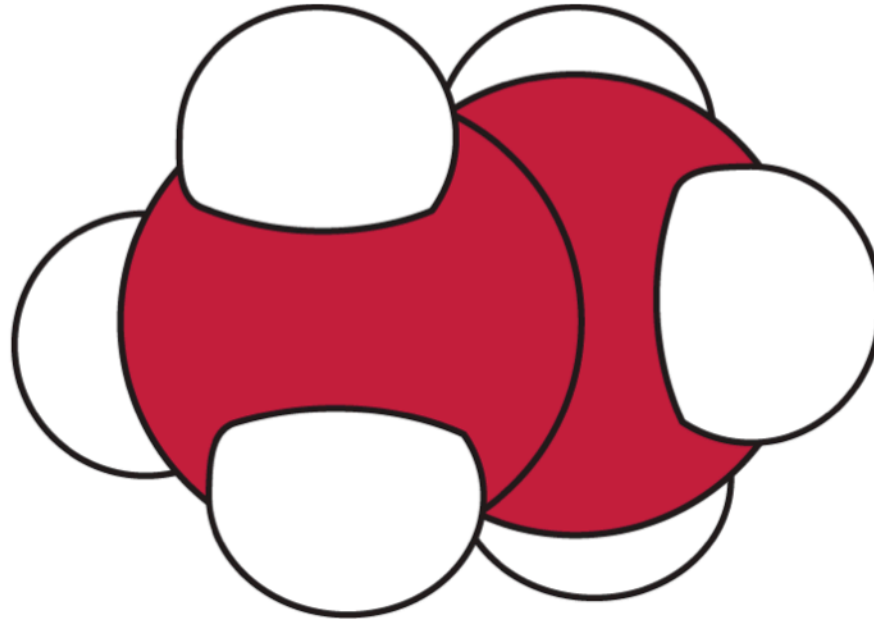
Polar



Water, a polar molecule

Describes a molecule in which one or more atoms is slightly negative and one or more is slightly positive.

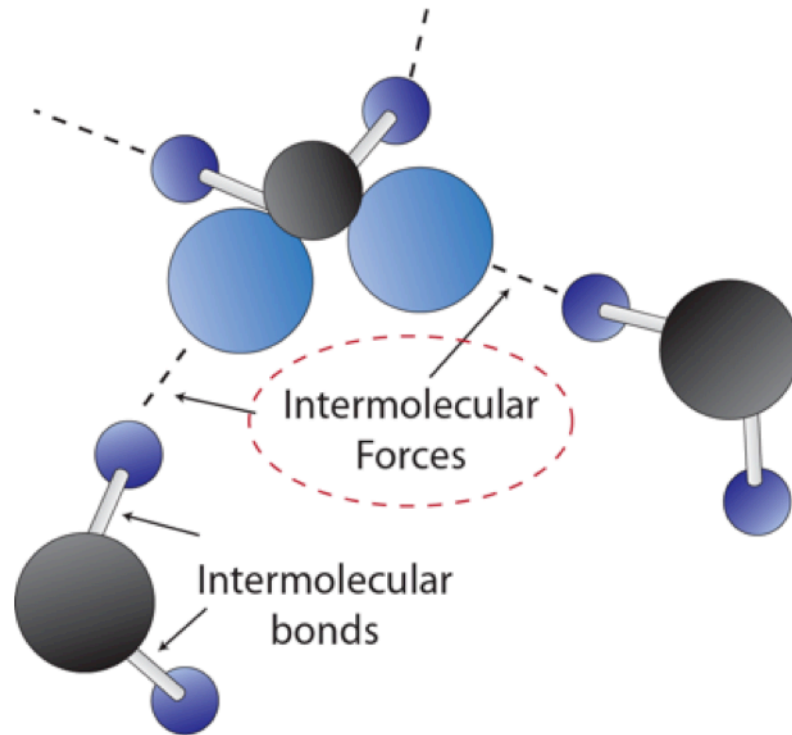
Polarity



Ethane, a nonpolar molecule

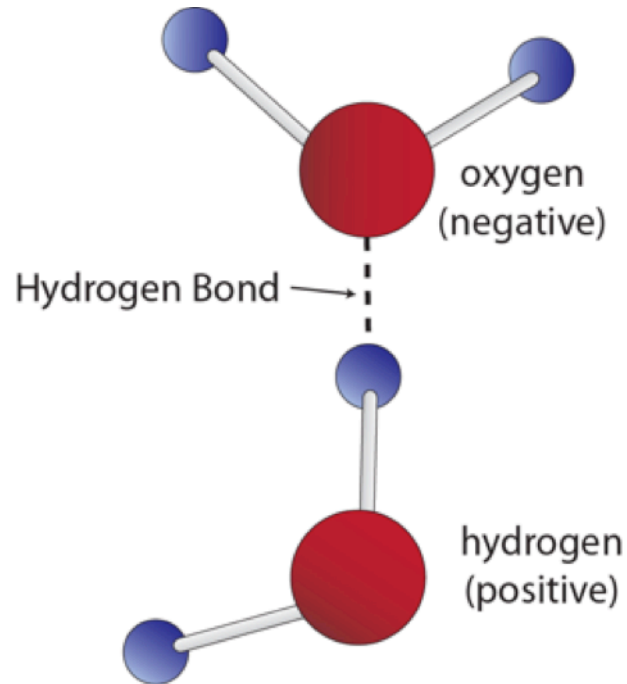
Describes how equally bonding electrons are shared between atoms.

Intermolecular Forces



Forces of attraction or repulsion which act between neighboring particles.

Hydrogen Bond



A bond formed when a hydrogen atom that is covalently bonded to a very electronegative atom and is also weakly bonded to an unshared electron pair of another electronegative atom in the same molecule or one nearby.

Boiling Point



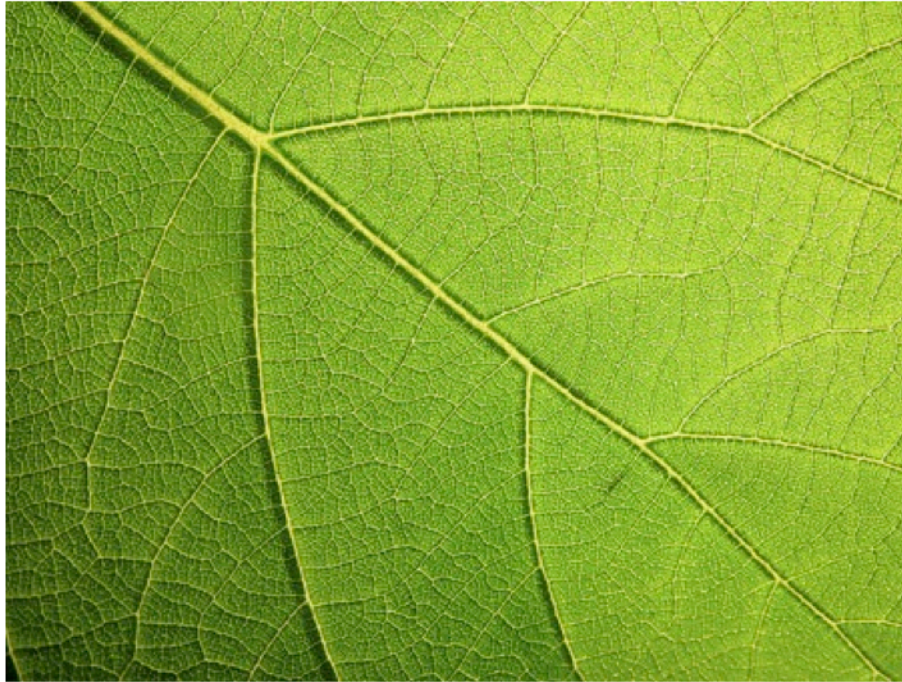
The temperature in which the vapor pressure of the liquid is equal to the pressure above the surface of the liquid.

Melting Point



The temperature at which a solid substance will begin to change state from a solid to a liquid.

Capillary (Action)



The movement of a liquid substance along a solid surface or up a tube due to the molecular forces acting between the liquid molecules and the molecules of the solid.