

Parts per Million And Freezing Point Depression and Melting Point Elevation Notes

What is the concentration of $O_2(g)$, in parts per million, in a solution that contains 0.008 gram of $O_2(g)$ dissolved in 1000. grams of $H_2O(l)$?

An aqueous solution contains 300. parts per million of KOH. Determine the number of grams of KOH present in 1000. grams of this solution.

If 0.025 gram of $Pb(NO_3)_2$ is dissolved in 100. grams of H_2O , what is the concentration of the resulting solution, in parts per million?

Colligative Properties

- Any property of a solvent that changes when a _____ is added to it.
- Depends only on the _____ of solute particles in the solution
- Examples:
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 -
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- Ionic compounds have a _____ effect than covalent.

Freezing Point _____ when solute is added to a solvent

Boiling Point _____ when solute is added to solvent.

When ionic compounds are put in a polar solvent, what happens to them?

When molecular compounds are put in a polar solvent, what happens?