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Water...

I Define the following terms

1. Potable water :- The water which is fit for human consumption and for drinking purposes

2. Solute :- The substance which dissolves or disappears in the solvent i.e. liquid to form a solution is called a solute
[It is a dissolved substance, esc: salt]

3. Solvent :- The liquid or medium of dissolution which allows the solute to dissolve in it, so as to form a solution is called a solvent
[It is the substance which dissolves the solute, esc:- water]

4. Solution :- A homogeneous mixture of a solute in a solvent is called a solution
[It is the mixture of the solute and solvent]

5. Solubility of a solute :- It is the maximum amount of solute in grams that will saturate 100g. of water at t°C.

6. Super Saturated Solution :- It is one which can hold or contains more of the solute at a given temperature than that present in a saturated solution.

7. Crystallisation :- The process of seperation or deposition of crystals from a hot saturated solution on gentle cooling of the solution.

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① Differentiate b/w the following

1. Saturated and Unsaturated solution

Saturated	Unsaturated
* Saturated solution is one which cannot dissolve more of the solute at a given temperature	* Unsaturated solution is one which can dissolve more of the solute at a given temperature
Example :-	Example :-

2. Hydrated and Anhydrous crystals

Hydrated	Anhydrous
* Hydrated crystals contain definite number of water molecules in loose chemical combination with the crystal	* Anhydrous crystals do not contain any definite number of water molecules in loose chemical combination with the crystal
Ex :- Sodium Carbonate (washing soda) Calcium Sulphate (Gypsum)	Ex :- Sulphates of Potassium - K_2SO_4 Ammonium - $(NH_4)_2SO_4$

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3. Drying agent and dehydration agent

Drying agent	Dehydration agent
. These are the substances which absorb moisture from ~~the~~ other substances	. These are the substances which remove chemicaly combined water from compounds due to their strong ebinity for water
Example:- * Concentrated Sulphuric acid * Quick Lime (CaO) * Phosphorus pentoxide (P_2O_5)	Example:- * Concentrated Sulphuric acid