

SAMPLE QUESTIONS

PROPERTIES OF SOLUTIONS

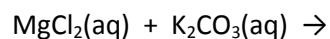
1. **True/False** Determine the following statements are true or false.

1.: Air is a gaseous solution of many gases.
2.: When water is added to an alcohol-water solution, the solution becomes diluted.
- 3.....: Solutions conducting electricity are called electrolyte.
- 4.....: Solvent is the part of solution which is dissolved in a solute.
- 5.....: A standard solution is a solution whose concentration is accurately known.

2. Predict whether the solutions of following substances are acidic, basic or neutral.

1. NaNO_3 2. K_2CO_3 3. CuNO_3 4. H_2SO_4

3. Write down the molecular equation (**ME**), complete ionic equation (**CIE**) and net ionic equation (**NIE**) of the following reaction.



ME:

CIE:

4. A 600 g saturated solution of salt NaCl is prepared at 10°C . When this solution is heated to 40°C how many g of the salt must be added in order to make it saturated again?

Solubility in 100 g water

