

Name: _____

Blk: _____ Date: _____

Chemistry 12
ACID BASE PART II Lesson # 14
HYDROLYSIS

The HYDROLYSIS OF A SALT is a reaction between _____ and the cation or anion (or both) contained in the salt so as to produce a _____, _____ or _____ solution.

Like STRONG ACIDS and STRONG BASES, all SALTS are said to _____

The generic DISSOCIATION EQUATION for a SALT, YZ, in water:

Example 1. Write the dissociation equation for the following salts in water:

- a. NaCl
- b. K_3PO_4
- c. $(NH_4)_2S$

Recall the term SPECTATOR IONS, in this unit spectator ions _____
_____. The conjugates of the STRONG ACIDS AND BASES are spectator ions.

SPECTATOR CATIONS- _____

SPECTATOR ANIONS- _____

Determining the Behaviour of a salt in water involves FOUR steps:

- 1.
- 2.
- 3.
- 4.

For the following Salts, determine if the solution that they produce when they are placed in water is ACIDIC, BASIC or NEUTRAL.

Ex. 2 NaCl

Example 3. K_3PO_4

Example 4. NH_4Cl

Example 5. $NaHC_2O_4$

Example 6. NH_4NO_2

SEATWORK/HOMEWORK: Exercises 69-73, 88, 92 and 93
PLO's: N1-N4