

Salts and Hydrolysis

Decide if each of the following salts will produce an acidic (A), basic (B) or neutral(N) solution when dissolved in water. Determine the K_a or K_b of the reacting ion(s).

	K_a	K_b	A, B or N
1. Na_3PO_4	_____	_____	_____
2. KH_2PO_4	_____	_____	_____
3. Na_2CO_3	_____	_____	_____
4. KHSO_4	_____	_____	_____
5. CaCO_3	_____	_____	_____
6. KNO_3	_____	_____	_____
7. $(\text{NH}_4)_2\text{C}_2\text{O}_4$	_____	_____	_____
8. NH_4Cl	_____	_____	_____
9. Na_2SO_3	_____	_____	_____
10. KHC_2O_4	_____	_____	_____

Order the above substances from most acidic to most basic.

Most Acidic

Most Basic
