H_3O^+ is the <u>strongest acid</u> that can exist in an undissociated form in water solution. *Concentration of ions determines its electrial conductivity.*

EXTRA NOTES on the "Relative Strengths" TABLE

STRO	NG ACIDS – top 6 acids on the LEI	FT		1
•	$H_{\rm LO}^+ - H_{\rm H}^+ + H_{\rm LO}$ is	,	?	, and
•	ClO_4 to HSO_4 are		of strong acid	ls. They <i>NEVER</i> act as bases!
WEAP H ₂ O	CACIDS – LEFT side of table from	HIO ₃ to	WEAK BASES to PO ₄ ³⁻	– RIGHT side of table from H ₂ O
•	or	n the	•	on the
	right		left	
Remen	Interpreting the AM	PHIPR(n act as _	DTIC substances	s on the table
٠	These substances appear on both the	e	and	sides of the table
•	Ex:,,, and	,		,
	LEFT			RIGHT
HCO ₃ -	is a $er acid than C_6H_5OH$	I I	HCO_3^- is a	er base than $C_6H_5O_7^{3-1}$
HCO ₃	is aer acid than H ₂ O ₂]]	HCO_3^- is a	er base than $Al(H_2O)_5(OH)^{2+}$
	"THE L	EVELIN	NG EFFECT" fo	or Acids

The "leveling effect":		