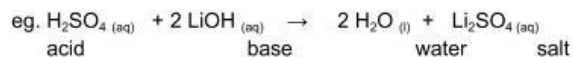
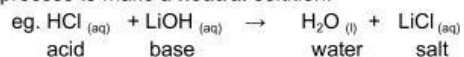
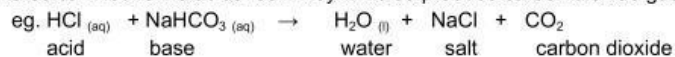


Neutralization Reactions Worksheet

Neutralization: Mixing an acid and a base in order to produce a salt and water. The properties of the acid and the base are removed in the process to make a **neutral** solution.



Carbonates can neutralize acids too. They will also produce carbon dioxide gas. (Just an FYI)



Note: If too much acid is added, then the end result will be acidic.

If too much base is added, then the end result will be basic.

Task:

- 1) Predict the correct formula for the salt formed in the following equations.
- 2) Balance each equation using coefficients.
- 3) Name the Salt for each compound

ACID + BASE → SALT + WATER
Co = Coefficient for balancing

Co #1	Acid		Co #2	Base		Co #3	Salt		Co #4	Water	Salt Name
	HCl	+		NaOH	→			+		H ₂ O	
	H ₂ SO ₄	+		Ca(OH) ₂	→			+		H ₂ O	
	HNO ₃	+		KOH	→			+		H ₂ O	
	H ₃ PO ₄	+		NaOH	→			+		H ₂ O	
	H ₃ PO ₄	+		Ca(OH) ₂	→			+		H ₂ O	
	HC ₂ H ₃ O ₂	+		KOH	→			+		H ₂ O	
	HCl	+		NH ₄ OH	→			+		H ₂ O	
	H ₂ SO ₄	+		Mg(OH) ₂	→			+		H ₂ O	
	HNO ₃	+		NH ₄ OH	→			+		H ₂ O	
	HNO ₃	+		Al(OH) ₃	→			+		H ₂ O	