pHun with Food – Lab Makeup

Purpose: Come up with a conclusion about what makes an acid an acid and a base a base according to their formulas.

The following data was gathered during the pHun with food lab:

Cabbage Juice Indicator
Purple – Neutral
Green – Basic
Pink – Acidic

Sample	Chemical Formula	Color Change	Acid or Base?
Water	H_2O	Purple	
Egg whites	Stuff-NH_2	Green	
Vinegar	$HC_2H_3O_2$	Pink	
Coca-cola	H_2CO_3	Pink	
Baking Soda	$NaHCO_3$	Green	
Salt	$NaCl$	Purple	
Milk of Magnesia	$Mg(OH)_2$	Green	
Lemon Juice	$HC_6H_7O_7$	Pink	
Peptobismol	$C_7H_5BiO_4$	Green	
Apple Juice	$HC_4H_5O_5$	Pink	
Tums	$CaCO_3$	Green	
Yogurt	$HC_3H_5O_3$	Pink	

Poster:

Once you have come to a conclusion, make a poster to illustrate the differences between acids and bases. Things you might include are properties, examples, what makes an acid an acid, what makes a base a base.