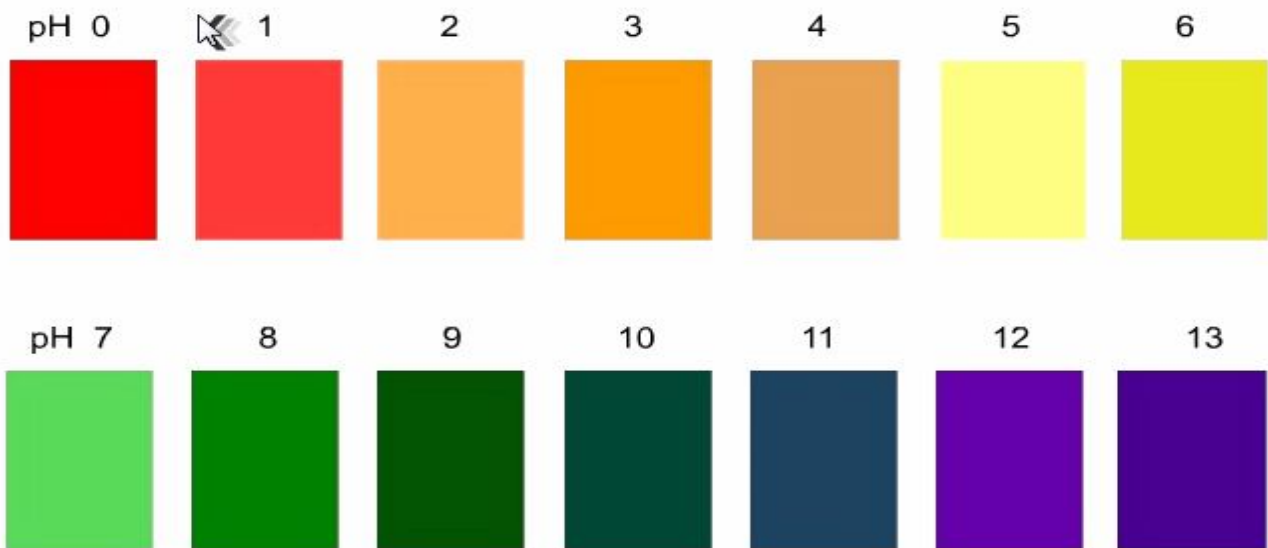
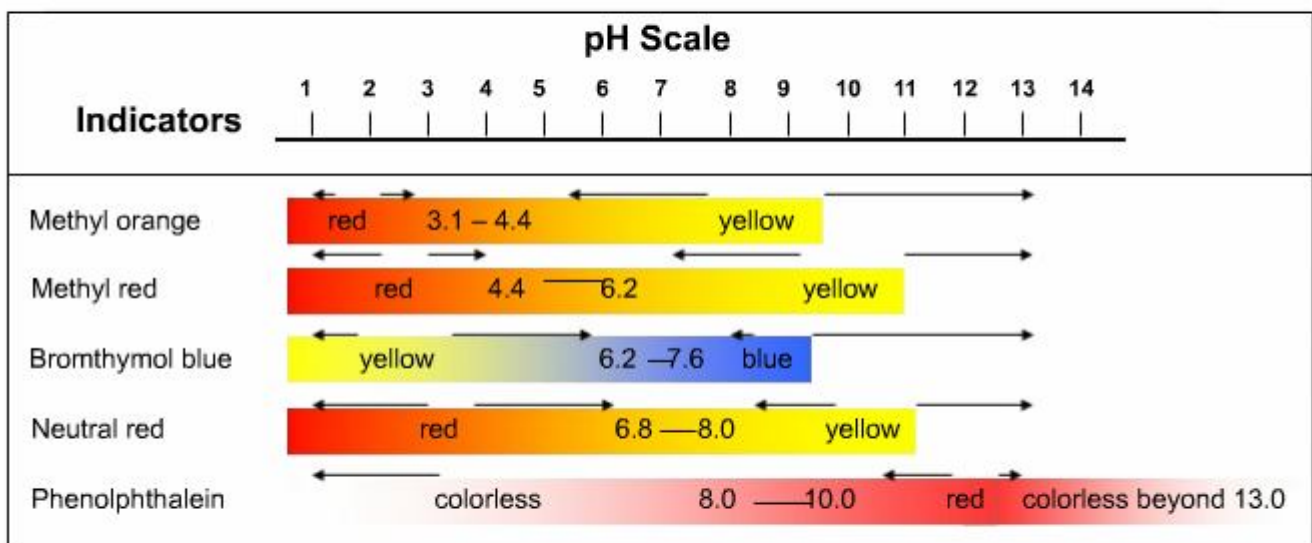


# pH Indicators

## pH Paper



## Range and Color Changes of Some Common Acid-Base Indicators

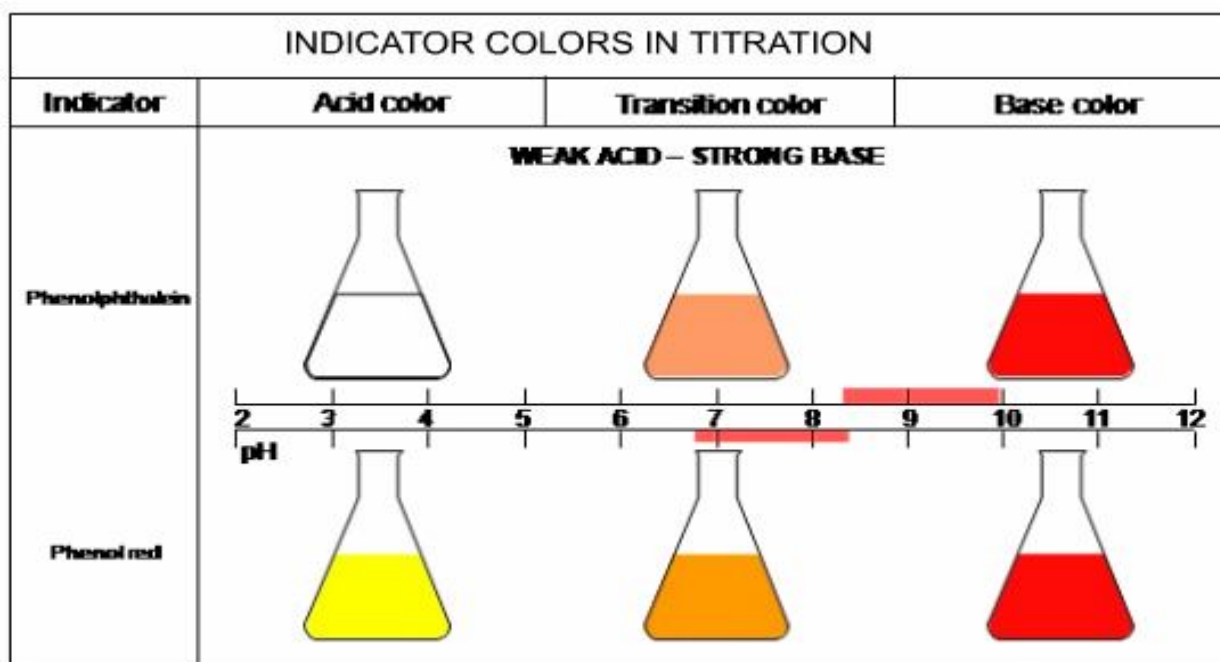
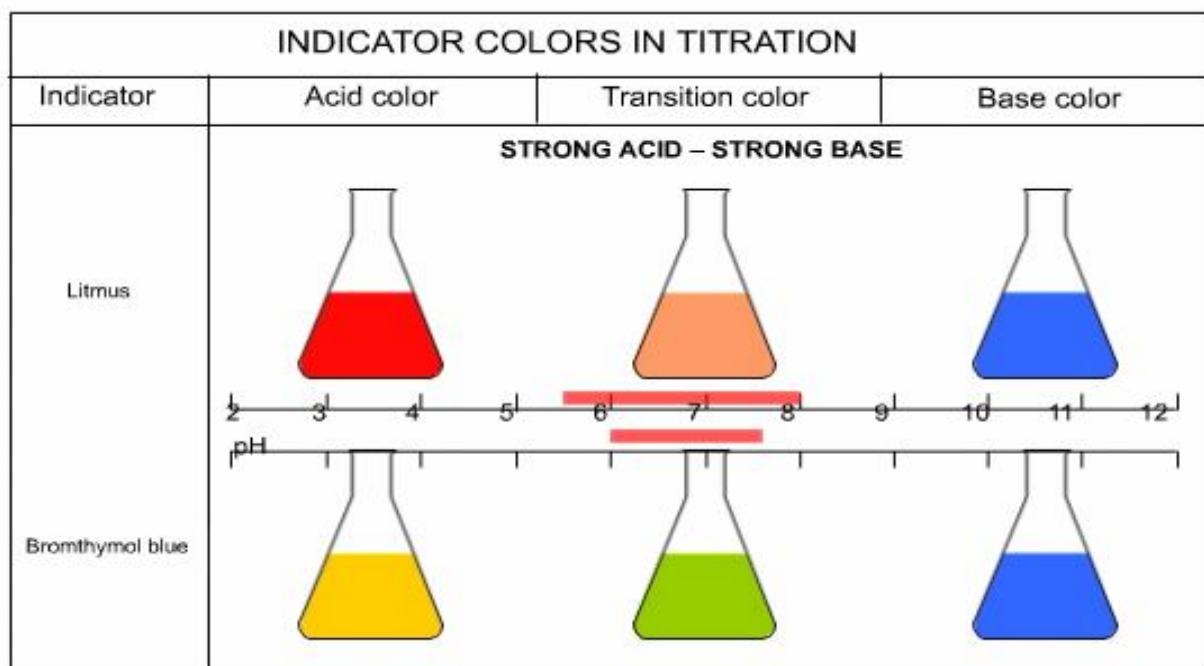


Bromthymol blue indicator would be used in titrating a strong acid with a strong base.

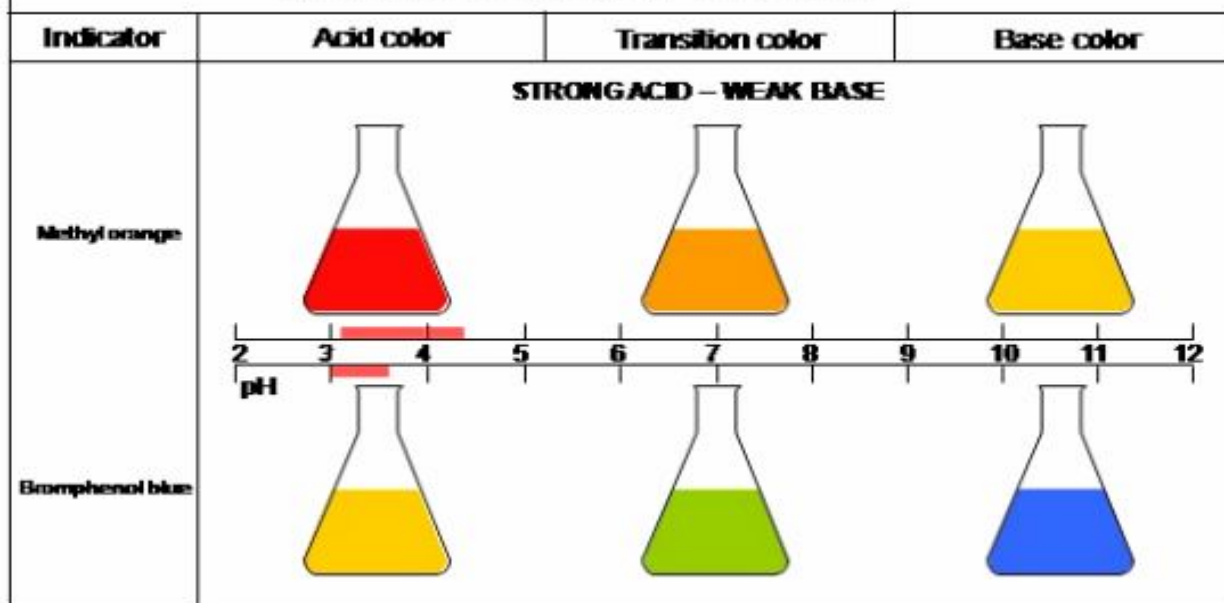
Phenolphthalein indicator would be used in titrating a weak acid with a strong base.

Methyl orange indicator would be used in titrating a strong acid with a weak base.

pH

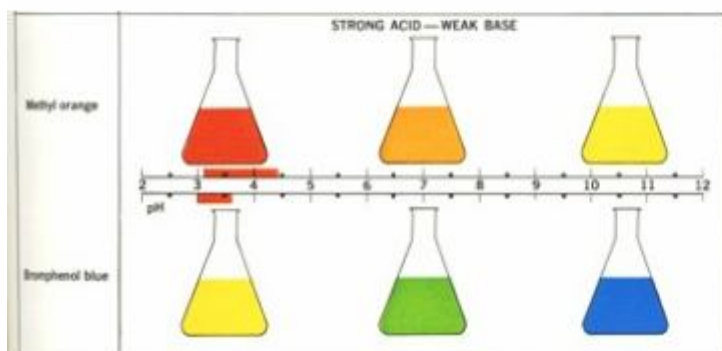
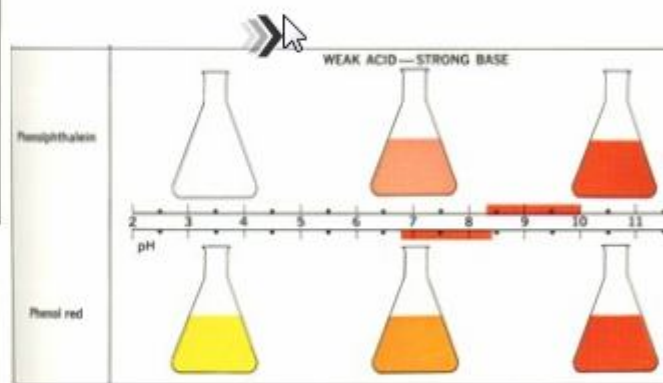
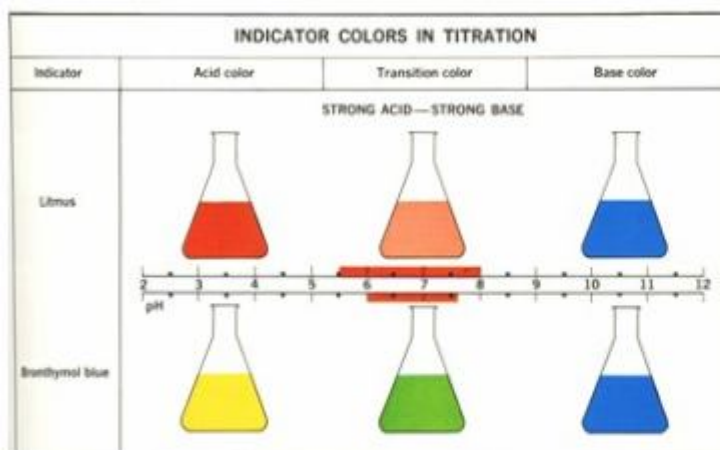


## INDICATOR COLORS IN TITRATION

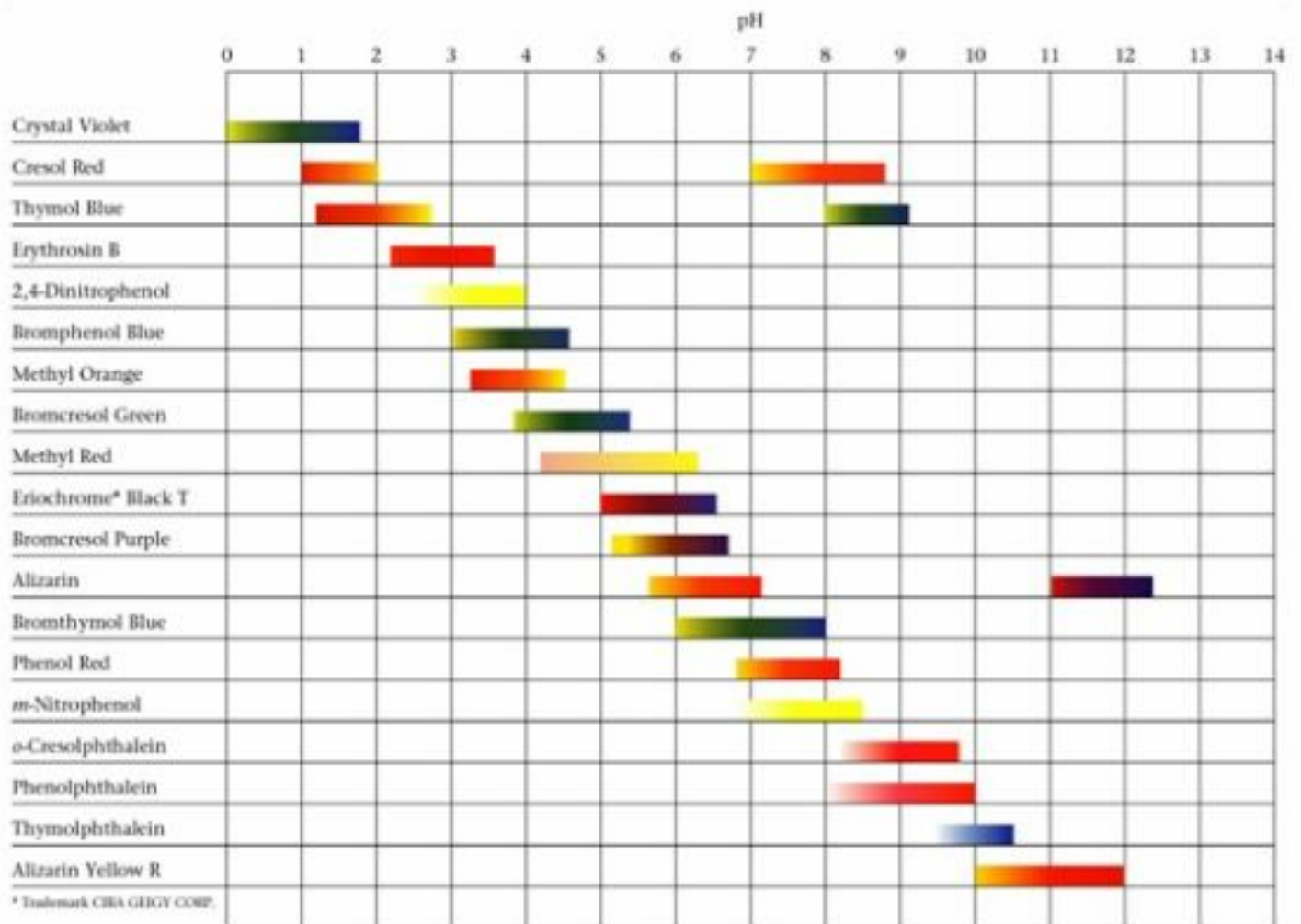


Indicator												
	1	2	3	4	5	6	7	8	9	10	11	12
Phenolphthalein	Colorless							Pink		Red		
Methyl Red	Red			Orange			Yellow					
Orange IV	Orange		Peach		Yellow							

# Indicator Colors in Titration



# Common pH Indicators



The pH ranges shown are approximate. Specific transition ranges depend on the indicator solvent chosen.

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