

Visual BCA Charts

#1	HCl	+	NaOH	→	H ₂ O	+	NaCl
B	3 moles		6 moles		0		0
C							
A							

Using the key below, draw in the molecules based on the BCA chart above.



KEY: Acidic Molecule: ● Basic Molecule: ● Neutral Molecule: ○

- What is the limiting _____ and excess _____ reactants?
- What will the pH of the final beaker be? _____ What color will the final beaker be with ppth? _____
- Is this before, at, or after the equivalence point? _____
- If not at pH = 7, what needs to be added and how much to get to 7?

#2	HCl	+	NaOH	→	H ₂ O	+	NaCl
B	3 moles		3 moles		0		0
C							
A							

Using the key below, draw in the molecules based on the BCA chart above.



KEY: Acidic Molecule: ● Basic Molecule: ● Neutral Molecule: ○

- What is the limiting _____ and excess _____ reactants?
- What will the pH of the final beaker be? _____ What color will the final beaker be with ppth? _____
- Is this before, at, or after the equivalence point? _____
- If not at pH = 7, what needs to be added and how much to get to 7?

#3	H_2SO_4	+	NaOH	\rightarrow	H_2O	+	Na_2SO_4
B	6 moles		6 moles		0		0
C							
A							

Using the key below, draw in the molecules based on the BCA chart above.



KEY: Acidic Molecule: ● Basic Molecule: ● Neutral Molecule: ○

- What is the limiting _____ and excess _____ reactants?
- What will the pH of the final beaker be? _____ What color will the final beaker be with ppth? _____
- Is this before, at, or after the equivalence point? _____
- If not at pH = 7, what needs to be added and how much to get to 7?

#4	H_3PO_4	+	NaOH	\rightarrow	H_2O	+	Na_3PO_4
B	3 moles		6 moles		0		0
C							
A							

Using the key below, draw in the molecules based on the BCA chart above.



KEY: Acidic Molecule: ● Basic Molecule: ● Neutral Molecule: ○

- What is the limiting _____ and excess _____ reactants?
- What will the pH of the final beaker be? _____ What color will the final beaker be with ppth? _____
- Is this before, at, or after the equivalence point? _____
- If not at pH = 7, what needs to be added and how much to get to 7?