Data and results tables examples

Data table Double Displacement Reactions

	Solution A	Solution B	Observations: did they react? What did the solutions look like before and after?
1	0.1 M NaI	0.1 M $RbNO_3$	No reaction, Solutions were clear before and after. Test tubes remained cool.
2	0.1 M NaI	O.1M $AgNO_3$	Rxn occurred, solutions were clear before, and resulting solution was cloudy-milky in appearance, visible white particles in test tube.
3	1 M $CaCO_3$	6M HCl	Rxn occurred, solutions were clear before, and resulting solution was cloudy-milky in appearance, white powder on bottom of tube, bubbles, fizzing

Results table: Double Displacement Reactions

Rxn	Rxn occurred? Conclusion	Molecular, Ionic, and NIE
1	No reaction, Solutions were clear before and after. Test tubes remained cool.	NA
2	Rxn occurred, white solid is silver chloride	$AgNO_{3(aq)} + NaI_{(aq)} \rightarrow AgI_{(aq)} + NaNO_{3(aq)}$ $Ag^+_{(aq)} + NO_3^-_{(aq)} + Na^+_{(aq)} + I^-_{(aq)} \rightarrow AgI_{s)} + NO_3^-_{(aq)} + Na^+_{(aq)}$ $Ag^+_{(aq)} + Cl^-_{(aq)} \rightarrow AgCl_{(s)}$
3	Rxn occurred, carbon dioxide gas produced.	$CaCO_{3(s)} + 2HCl_{(aq)} \rightarrow CaCl_{2(aq)} + CO_{2(g)} + H_2O_{(l)}$ $CaCO_{3(s)} + 2H^+_{(aq)} + 2Cl^-_{(aq)} \rightarrow Ca^{2+}_{(aq)} + 2Cl^-_{(aq)} + CO_{2(g)} + H_2O_{(l)}$ $CaCO_{3(s)} + 2H^+_{(aq)} + \rightarrow Ca^{2+}_{(aq)} + CO_{2(g)} + H_2O_{(l)}$