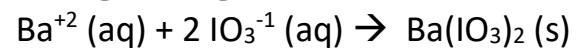


Name _____

Period _____

Limiting Reagent Lab Data Chart



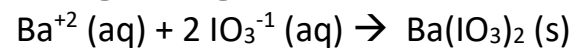
Stage 1: Constant Iodate Volume

Test Tube	Starting vol Ba^{+2} (mL)	Starting vol IO_3^{-1} (mL)	Excess & Limiting reagents	Starting mmol Ba^{2+}	Starting mmol IO_3^{-1}	Expected mmol ppt	Expected excess? (mmol)
A	1	3	ER = LR =				
B	3	3	ER = LR =				
C	5	3	ER = LR =				
D	7	3	ER = LR =				
E	9	3	ER = LR =				

Name _____

Period _____

Limiting Reagent Lab Data Chart



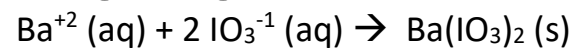
Stage 2: Constant Barium Volume

Test Tube	Starting vol Ba^{+2} (mL)	Starting vol IO_3^{-1} (mL)	Excess & Limiting reagents	Starting mmol Ba^{2+}	Starting mmol IO_3^{-1}	Expected mmol ppt	Expected excess? (mmol)
A	3	1	ER = LR =				
B	3	3	ER = LR =				
C	3	5	ER = LR =				
D	3	7	ER = LR =				
E	3	9	ER = LR =				

Name _____

Period _____

Limiting Reagent Lab Data Chart



Stage 3: Changing Volumes of Iodate and Barium Ions

Test Tube	Starting vol Ba^{+2} (mL)	Starting vol IO_3^{-1} (mL)	Excess & Limiting reagents	Starting mmol Ba^{2+}	Starting mmol IO_3^{-1}	Expected mmol ppt	Expected excess? (mmol)
A	9	1	ER = LR =				
B	7	3	ER = LR =				
C	5	5	ER = LR =				
D	3	7	ER = LR =				
E	1	9	ER = LR =				