Example of a lab notebook entry

(This is not the only way to make a lab notebook entry. If you can improve, more power to you. Make sure to annotate all observations. Do not just write a number as an observation. Whenever you can tabulate data please do so. Make sure the entries are written with proper significant figures and units. Show a typical calculation if repeated calculations are made in the same manner. You can cut and paste/attach any computer outputs with data and results).

Calcium Iodate Solubility Properties

1. Solution #1

Volume of $Ca(NO_3)_2$ = xx.x mL

Volume of KIO_3 = xx.x mL

2. Solution #2

Volume of water = xx.x mL

Volume of $Ca(NO_3)_2$ = xx.x mL

Volume of KIO_3 = xx.x mL

Concentration of Stock Solutions: $Ca(NO_3)_2$ = x.xxx M KIO_3= x.xxx M

Reaction time; xx min. All solutions stirred.

The filtered precipitates were dried in a oven at xxx °C for xx min.

Mass of Precipitates.

Filter Paper #	Mass of Filter Paper (g)	Mass of Filter paper + ppt (g)	Mass of ppt. (g)
1	xx.xxx	xx.xxx	x.xxx
2	xx.xxx	xx.xxx	x.xxx

Qualitative tests: (for Ca ions)

Volume of $Ca(NO_3)_2$	Volume water	Volume $Na_3(PO_4)$	Observation

Qualitative tests: (for iodate ions) A small amount of KI dissolved in all tests below.

Volume of KIO_3	Volume water	Volume 1 M HCl	Observation

Testing the filtrates from Solution #1 and 2:

Filtrate #	Ca^{+2} test	PO_4^{-3} test
1		
2		

Effect of $Ca(NO_3)_2$ on the net reaction:

Volume KIO_3 stock (mL)	Volume $Ca(NO_3)_2$ stock (mL)	Observation