

Observations LAB

REALLY COLD liquid !!!
I DO NOT TOUCH!

<ul style="list-style-type: none"> ① Super ball (Aka grape) ② eraser ③ transfer pipette ④ Army man ⑤ Ping pong ball 	<ul style="list-style-type: none"> ⑥ Marshmallow ⑦ rubber band ⑧ balloon 	<div style="border: 1px solid blue; border-radius: 15px; padding: 5px; display: inline-block;">Macromp</div>
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Oct 2-7:28 AM

4.24g $\overset{+3}{Cr}_2(\overset{-2}{SO}_4)_3 + 3(\overset{+1}{NH}_4)_2(\overset{-2}{CO}_3) \rightarrow \overset{+3}{Cr}_2(\overset{-2}{CO}_3)_3 + 3(\overset{+1}{NH}_4)_2\overset{-2}{SO}_4$

molecular \rightarrow (aq) (aq) (s) (aq)

Complete ionic \rightarrow Spectator ions \rightarrow NO CHANGE.

$$2Cr^{+3} + 3SO_4^{-2} + 6NH_4^+ + 3CO_3^{-2} \rightarrow Cr_2(CO_3)_3 + 6NH_4^+ + 3SO_4^{-2}$$

Net ionic eqn

$$2Cr^{+3} (aq) + 3CO_3^{-2} (aq) \rightarrow Cr_2(CO_3)_3 (s) \quad \checkmark$$

Oct 2-8:32 AM

(4.62) \ominus ~~11.6 M HCl~~ 0.25 mole HCl _____ ml

$\frac{11.6 \text{ moles HCl}}{1 \text{ L}} \leftarrow 1000 \text{ ml}$

1000 ml	0.25 mole HCl
11.6 mole HCl	:

Oct 2-8:44 AM