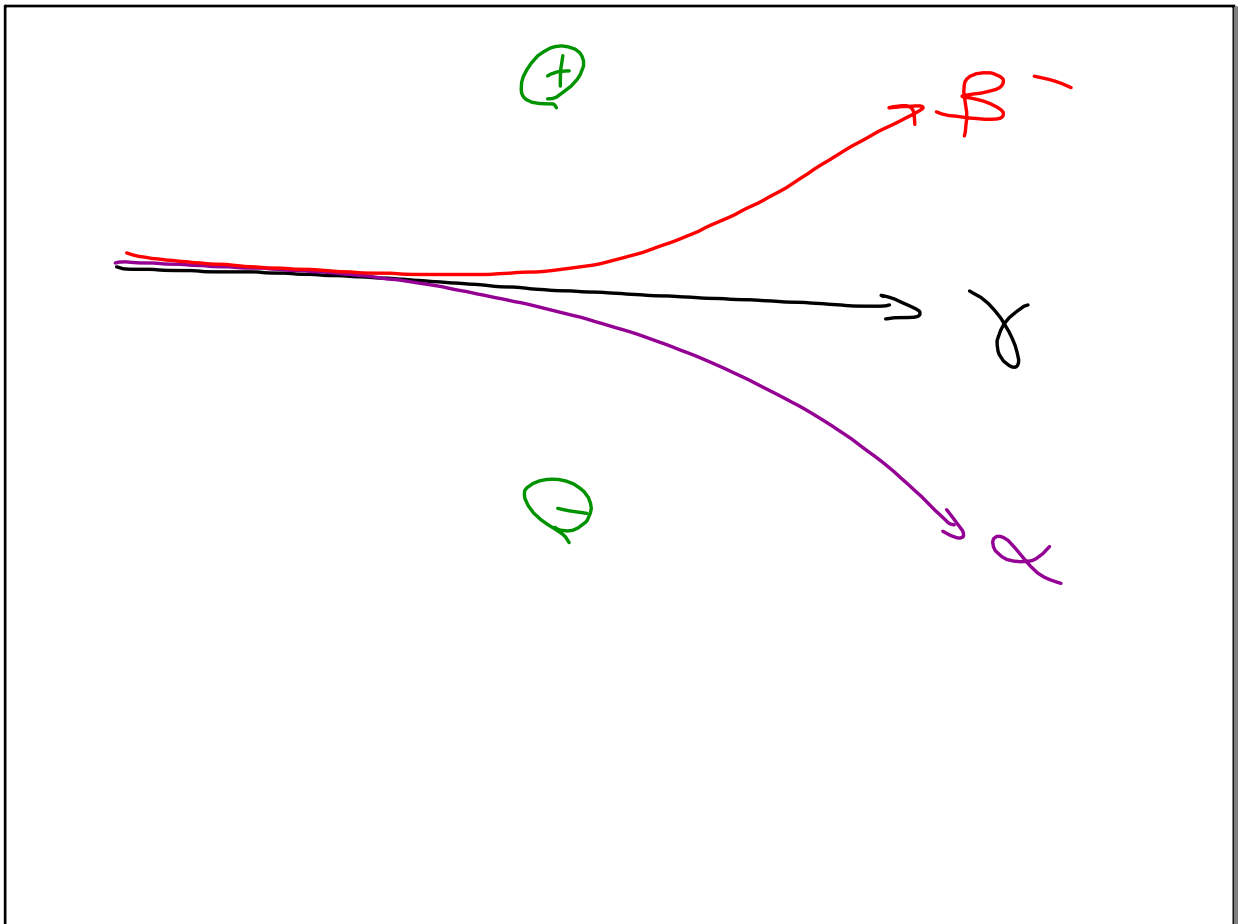
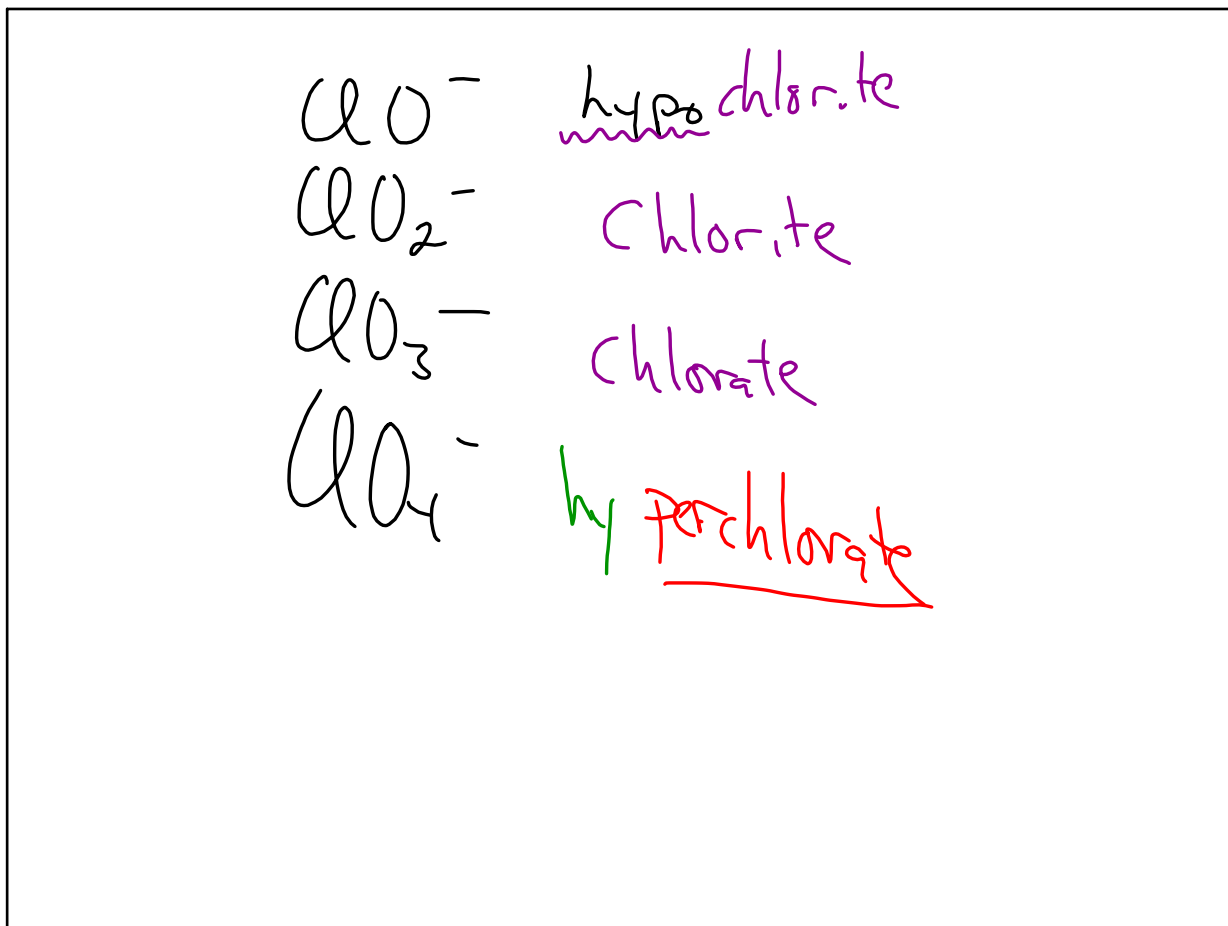


<p><u>Alpha</u> <math>\alpha</math> <math>\oplus</math></p> <p><math>\oplus</math> chg <math>\oplus 2</math></p> <p><math>{}^4_2\text{He}</math> nucleus</p> <p><math>2p + 2n</math></p>	<p><u>Beta</u> <math>\beta^-</math> <math>\ominus</math></p> <p><math>\ominus</math> charge</p> <p>electron</p> <p>mass <math>\approx 0</math></p> <p><math>-1e</math> (-1)</p> <p>charge of nucleus <math>\approx 0</math></p> <p>1886</p>	<p><u><math>\gamma</math> Gamma</u></p> <p><math>\gamma</math></p> <p>no mass</p> <p>no charge</p> <p>PURE ENERGY</p> <p>X-Ray</p>
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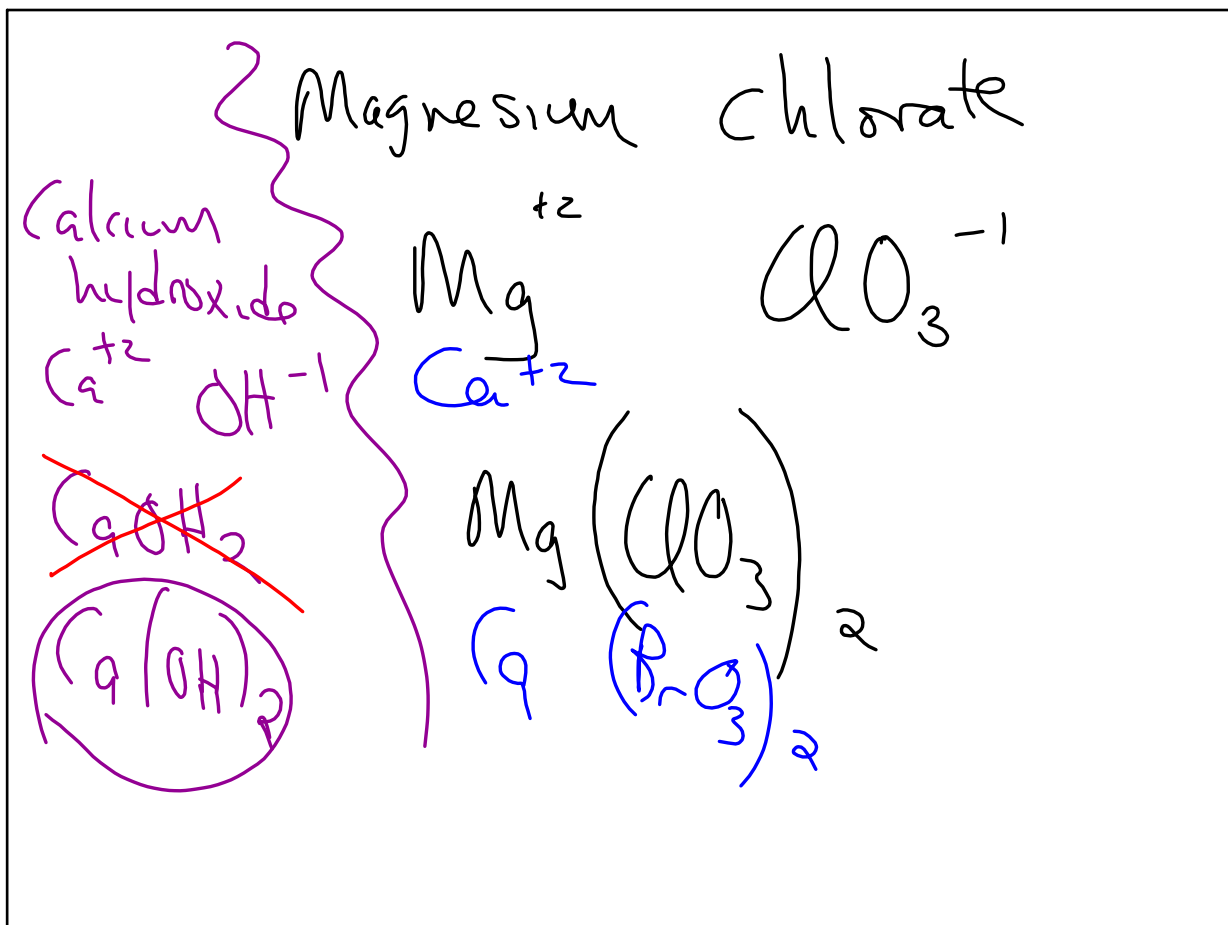
Sep 16-7:52 AM



Sep 16-8:20 AM



Sep 16-8:24 AM

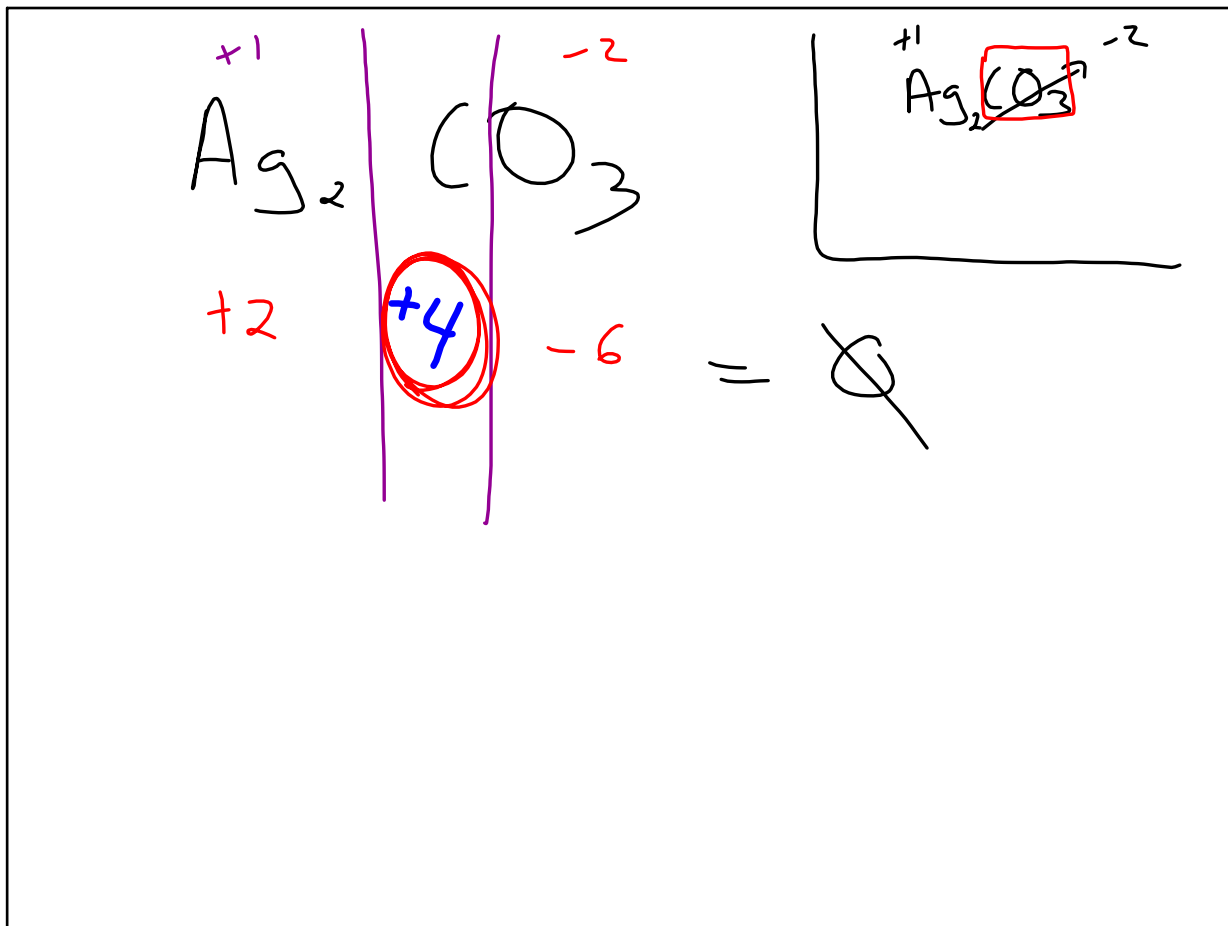


Sep 16-8:29 AM

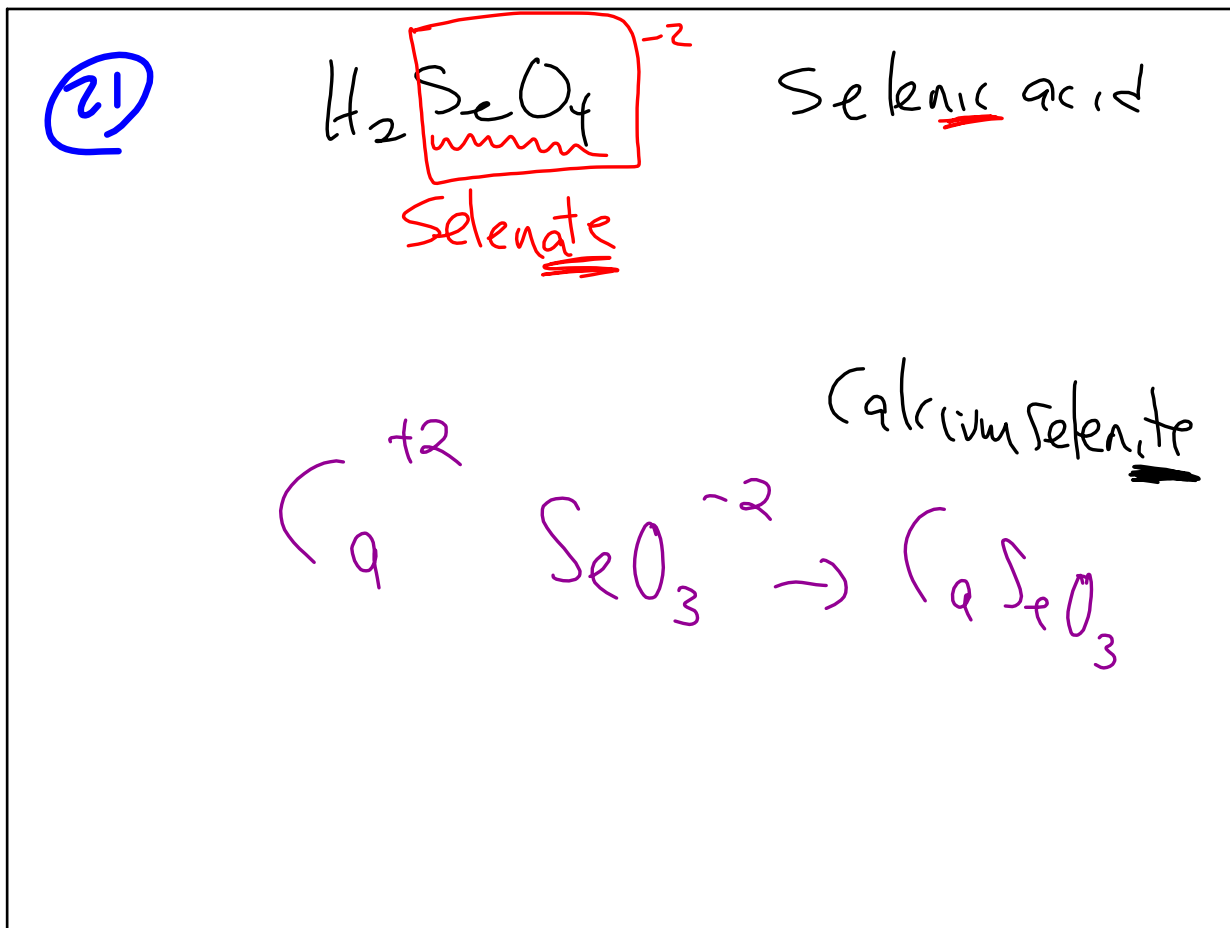
① H + element  
 hydro — ic acid

② H + polyatomic ion  
 - ate  $\Rightarrow$  ic  
 - ite  $\Rightarrow$  ous

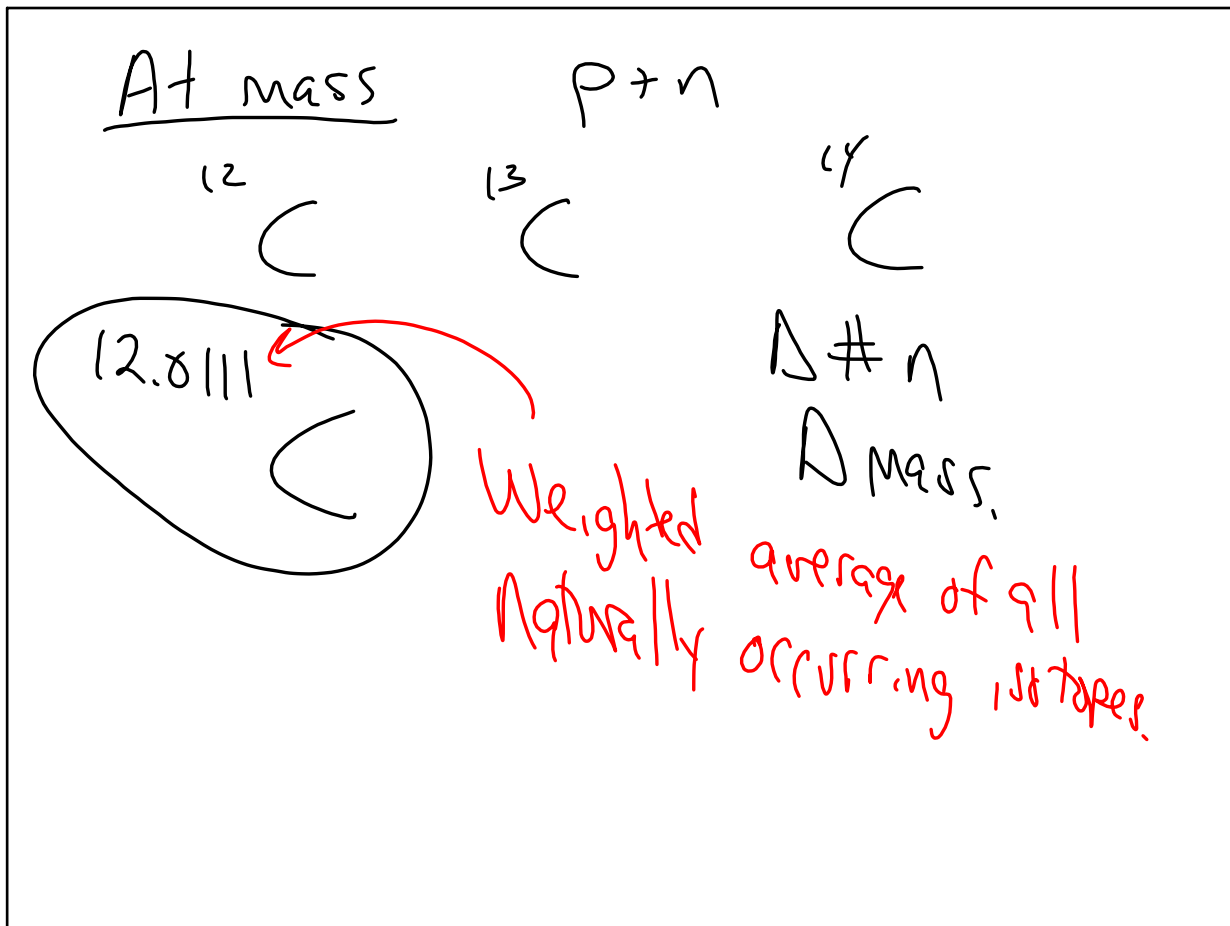
Sep 16-8:34 AM



Sep 16-8:37 AM



Sep 16-8:41 AM



Sep 16-8:44 AM

Test 90  
75%

lab 100  
25%

$$.75(90) + .25(100)$$

Sep 16-8:45 AM

$$2/25 + 31$$

Sep 16-8:47 AM