

Ch. 16- Acids & Bases

Topics for notes	Video Title	Video Link	Length	Practice Problems	Pages
Carboxylic acid (draw carboxyl group), hydronium ion, Bronsted-Lowry definition of acids, amphoteric	Acid-Base Reactions in Solution: Crash Course Chemistry #8	<a href="https://www.youtube.com/watch?v=ANi709MYnWg">https://www.youtube.com/watch?v=ANi709MYnWg</a>	11:16	SAQ #2	723-727
Conjugate acid-base pairs (draw and label figure 16.3), conjugate acid, conjugate base	Conjugate Acids and Bases	<a href="https://www.youtube.com/watch?v=fUhPLe0NAvA">https://www.youtube.com/watch?v=fUhPLe0NAvA</a>	3:45	FP 16.1, CC 16.1, SAQ #1	728
Strong acid, weak acid, monoprotic acid, diprotic acid, $K_a$ , autoionization, $K_w$ , neutral, acidic solution, basic solution, strong base (go to page 746), weak base, $K_b$ .	Acid Strength: What does pH mean?	<p><a href="http://www.bozemanscience.com/app-chem-068-equilibrium-reasoning">http://www.bozemanscience.com/app-chem-068-equilibrium-reasoning</a> *</p> <p>This 2 minute song will help you memorize the strong acids/bases (no notes needed)</p> <p><a href="https://www.youtube.com/watch?v=kzcAFtm-n0w">https://www.youtube.com/watch?v=kzcAFtm-n0w</a></p>	<p>6:27* *Watch to 6:27</p> <p>2:14</p>	<p>-Write a list of the strong acids and bases and <i>memorize</i> them before the quiz</p> <p>-Draw and label figures 16.4 and 16.5</p> <p>-CC 16.2, CC 16.3</p> <p>-Copy "Summarizing <math>K_w</math>" on page 733</p> <p>-FP 16.2, SAQ #3, #43, #127, FP 16.11, #81</p>	729-734, 746-748

pH, sig fig rules and pH, pOH, formulas (with labels for pH + pOH and pKa, meaning of pKa	Acids, Bases, and pH	<a href="http://www.bozemanscience.com/acids-bases-ph">http://www.bozemanscience.com/acids-bases-ph</a>	8:53	-FP 16.3, FP 16.4, CC 16.4, SAQ#8 (show work) -Describe the main difference in finding the pH of a weak acid solution and a strong acid solution using p. 737	734-737
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