**Name: Period: Seat#:**

**Worksheet #2**

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| --- | --- |
| 1. What is pH a measure of? | 1. What is the equation used for finding pH? |
| 1. What is the equation that relates pH and pOH? | 1. What numbers on the pH scale are acidic, basic, neutral? |
| 1. Classify each as acidic, neutral, or basic:    1. Tomatoes = 4.2    2. Eggs = 7.8 | * 1. Soil = 5.5   2. Milk = 6.4   3. Ammonia = 11.0 |

**What would the pH of the following be? Complete the following calculations.   
Make sure to show your work.**

|  |  |
| --- | --- |
| 1. 0.0010 *M* HCl | 1. 0.0010 *M* HNO3 |
| 1. 0.010 *M* NaOH | 1. 0.0035 *M* HCl |
| 1. 0.024 *M* HCl | 1. 0.075 *M* KOH |
| 1. 0.000034 *M* HCl | 1. 0.000000000001*M* HCl |

**Watch the following video and take detailed and through notes. You may fill the area with a paragraph if you would prefer.** <http://tinyurl.com/crashcourseacidrain>

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|  |

**Complete the following table. The first one is done as an example. You do not need to show work for these ones! If you need to show work, then attach a piece of binder paper to this handout.**

