**Name: Period: Seat#:**

**Worksheet #2**

|  |  |
| --- | --- |
| 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.**

