|  |  |  |
| --- | --- | --- |
| Sour taste | Not reactive with metals | http://worldartsme.com/images/shampoo-clipart-1.jpg Shampoo |
| H+ ions | Conducts electricity | http://thumb10.shutterstock.com/thumb_small/137608/137608,1331137189,3/stock-vector-a-bottle-of-concentrated-drain-cleaner-96971006.jpgDrain cleaner  |
| Fruits and juices | Cleaning products | http://apassionforscience.pbworks.com/f/1340254488/vinegar.jpgVinegar  |
| Feels slippery | pH less than 7 | http://thumbs.dreamstime.com/z/soap-clip-art-cartoon-illustration-foam-32879177.jpg Soap |
| Corrosive | pH greater than 7 | http://4.bp.blogspot.com/_Fp7uIhkqTZI/TUhp6iq2AoI/AAAAAAAAABI/KRrebd-cLU0/s1600/ah-baking-soda.jpgBaking soda  |
| OH- ions | Blue litmus paper turns red | https://s-media-cache-ak0.pinimg.com/236x/c6/88/18/c6881815e84d8119628ebdbcf1fabaf6.jpgSoda  |
| Bitter taste | Red litmus turns blue | http://www.clipartsmania.com/fruits/thumb/lemon_cut_vector_free_clipart.jpgLemon  |
| Reactive with metals | Has no distinct feel | Ammonia window cleaner http://blutaperentals.com/files/2013/07/Windex.png  |

***Acids + Bases Matching***

1. In pairs, color the boxes provided that describe the properties of acids ***red***.
2. Color the boxes provided that describe the properties of bases ***blue***.
3. Then, cut out the boxes and sort them on the Venn diagram.
4. When you are done, let Ms. Perry know. She will take a picture of your Venn diagram.
5. After your Venn diagram is complete, answer the questions below with your partner.

*Questions:*

Names: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ & \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Explain the 3 parts of the pH scale (below 7, exactly 7, above 7).
2. Why is a substance at 0 or at 14 on the pH scale considered dangerous?
3. Why would you want your drinking water to be exactly or close to a pH of 7?