

Name: _____ Date: _____

Webquest: Acids and Bases

Directions:

- You may hand-write your answers on this page or access this word document from Ms. Koop's website and type your answers.
- You must submit this webquest in hard copy on your own paper
- Write your answers in complete sentences.
- This assignment counts as a quiz grade (100 pts).

Chem4 Kids Website:

http://www.chem4kids.com/files/react_acidbase.html

1. What do scientists use to measure pH? Describe this tool
2. What is the difference between a strong acid/base and a weak acid/base?

VisionLearning Website:

http://www.visionlearning.com/library/module_viewer.php?mid=58

3. Describe the physical properties of Acids:
4. Describe the physical properties of Bases:
5. Give 3 examples of acids and 3 examples of bases from the pH Scale on the site:

Examples of Acids	Examples of Bases

6. How do you neutralize an acid?
7. How do you neutralize a base?

Colorado Website:

https://phet.colorado.edu/sims/html/ph-scale/latest/ph-scale_en.html

8) Fill in the following charts using the simulations on the website:

Material	Acidic or Alkaline?	pH
Drain Cleaner		
Blood		
Coffee		
Spit		
Milk		
Soap		
Chicken Soup		
Soda		
Battery Acid		
Orange Juice		
Vomit		
Water		
Watered down liquid from above (choose one):_____		

Alien Juice Bar:

<https://static.lawrencehallofscience.org/scienceview/scienceview.berkeley.edu/html/showcase/flash/juicebar.html>

10) Complete all three challenges. From challenge 3, list one recipe for an acidic drink and one recipe for a basic drink below: