

Name: _____ Date: _____ Class Period: _____

Customer #	They asked for:	You gave:	Sick Customer? Try again	Yummy or dead?
<i>Example</i>	<i>Neutral</i>	<i>Lemon Juice</i>	<i>Water</i>	<i>Yummy!</i>
1				
2				
3				
4				
5				
6				

- Did all your customers survive? Congratulations! Click on "Continue" then "Main Menu"
- OR: Did you lose your license? Try again and complete the table below.

Customer #	They asked for:	You gave:	Sick Customer? Try again	Yummy or dead?
1				
2				
3				
4				
5				
6				

Challenge 3: Alien Juice Bar Challenge

1. Click on Start.
2. Answer the question in the box →
3. Drag the pitcher of cabbage juice until all the glasses on the tray change color and the pH is indicated.
4. Mentally assign each glass a number, #1-#6.
5. Write down the starting color, pH, and whether the drink is acidic, basic or neutral.
6. Your job is to add different amounts of liquid (click and drag the bottles) to each glass to change the pH to the pH that is being asked for.
7. This is a tough assignment, one hint is that different drinks will make the pH either change in small increments or large increments; it is up to you to figure out the right combinations! Good luck!
8. When you have reached the correct pH for all the glasses on the tray, it will automatically move to the next level. Record your results below.

What is pH?

Drink #	Start			Finish		
	Color	pH	Acidic, Basic, or Neutral?	Color	pH	Acidic, Basic, or Neutral?
1						
2						
3						
4						
5						
6						

In the space below, write 3 facts you learned about acids and bases by completing this virtual lab.