

I will send revision of report.

write names next to pH: all do water!

Water chamber, ul acid pH: Julius, Gordon, Natalie, Urr pH: Terrance, Kiana, Ivette, Mi pH: Alex, Roman, Danny, Tiffai pH: Isaac, Daniel, Albert, Yeju

1000 acid	2.31	2.88	3	2.85
900 acid	2.34	2.93	3	2.88
800 acid	2.39	2.98	3.1	2.92
700 acid	2.43	3.04	3.1	2.96
600 acid	2.49	3.09	3.25	3
500 acid	2.56	3.16	3.3	3.05
400 acid	2.65	3.25	3.35	3.12
300 acid	2.74	3.36	3.5	3.22
200 acid	2.93	3.49	3.9	3.33
100 acid	3.09	3.74	6.8	3.63
0 acid	4.71	5.45	10.3	5
0 base	4.75	5.04	8.7	5
100 base	11.04	10.9	11.9	11.57
200 base	11.3	12.26	12.3	11.42
300 base	11.43	12.42	12.4	12.1
400 base	11.55	12.6	12.55	12.23
500 base	11.62	12.71	12.65	12.34
600 base	11.73	12.73	12.7	12.42
700 base	11.78	12.83	12.8	12.48
800 base	11.83	12.89	12.85	12.55
900 base	11.88	12.94	12.9	12.6
1000 base	11.91	12.97	12.95	12.65

pH 4 buffer chamber, ul pH: Terrance, Kiana, Ivette, Mi pH: Reda, Owen, Eric, Victor Melissa, Zoe Alisa, Jessica pH: Annique, Bettina, Anneliese,

1000 acid	4.11	4.39	4.49	4.16
900 acid	4.16	4.42	4.53	4.18
800 acid	4.2	4.46	4.58	4.22
700 acid	4.23	4.5	4.63	4.25
600 acid	4.29	4.54	4.67	4.29
500 acid	4.34	4.6	4.73	4.32
400 acid	4.38	4.66	4.77	4.36
300 acid	4.43	4.7	4.83	4.4
200 acid	4.49	4.73	4.88	4.43
100 acid	4.53	4.77	4.93	4.46
0 acid	4.65	4.82	5	4.5
0 base	4.57	4.82	4.9	4.5
100 base	4.85	4.8	5.01	4.65
200 base	5.13	4.8	5.35	4.85
300 base	5.36	4.9	5.55	5.04
400 base	5.54	4.94	5.68	5.14
500 base	5.72	4.96	5.86	5.3
600 base	5.89	5.03	6	5.41
700 base	6.08	5.06	6.13	5.53
800 base	6.29	5.1	6.27	5.69
900 base	6.59	5.14	6.46	5.77
1000 base	7.13	5.18	6.53	5.9

pH 7 buffer chamber, ul pH: Julius, Gordon, Natalie, Urr pH: Douglas, Lucien, Joseph, Je pH: Alex, Roman, Danny, Tiffai pH: Isaac, Daniel, Albert, Yeju

1000 acid	6.79	6.85	7.45	7.33
900 acid	6.81	6.87	7.5	7.35
800 acid	6.82	6.88	7.47	7.38
700 acid	6.84	6.89	7.47	7.4
600 acid	6.86	6.91	7.5	7.42
500 acid	6.87	6.92	7.5	7.44
400 acid	6.89	6.94	7.5	7.46
300 acid	6.91	6.96	7.5	7.48
200 acid	6.92	6.98	7.51	7.51
100 acid	6.94	7.02	7.4	7.54
0 acid	6.96	7.06	7	7.57
0 base	6.89	7.01	7.7	7.56
100 base	7.08	7.06	7.85	7.64
200 base	7.2	7.12	8	7.88
300 base	7.35	7.18	8.1	8.08
400 base	7.53	7.25	8.3	8.4
500 base	7.79	7.33	8.6	9.28
600 base	8.35	7.42	9	11.01
700 base	10.09	7.52	9.9	11.42
800 base	10.53	7.66	10.1	11.64
900 base	10.79	7.82	10.8	11.8
1000 base	10.93	8.07	11.2	11.93

pH 10 buffer chamber, iFawn, Andreas, Aiden, Genji Lester, Mindy, Kevin pH Andrew, Wilson, Marc pH:belinsky,bang, michael, briz

1000 acid	10.17	9.9	10.36	10.22
900 acid	10.2	9.92	10.38	10.19
800 acid	10.22	9.94	10.38	10.16
700 acid	10.25	9.97	10.4	10.12
600 acid	10.28	10	10.4	10.08
500 acid	10.3	10.02	10.42	10.06
400 acid	10.33	10.05	10.43	9.92
300 acid	10.36	10.08	10.43	9.77
200 acid	10.37	10.11	10.46	9.5
100 acid	10.38	10.14	10.46	9.05
0 acid	10.4	10.15	10.46	6.4
0 base	10.43	10.15	10.48	
100 base	10.56	10.34	10.54	
200 base	10.71	10.55	10.6	
300 base	10.88	10.76	10.67	
400 base	11.09	11.12	10.73	
500 base	11.39	11.61	10.81	
600 base	11.71	11.97	10.88	
700 base	12.06	12.19	10.96	
800 base	12.26	12.31	11.05	
900 base	12.39	12.44	11.15	
1000 base	12.49	12.54	11.27	

apple juice chamber, ul pH: Dmitriy, Abu pH: Terrance, Kiana, Ivette, Mi pH:Melissa, Alisa, Zoe, Jessica

1000 acid	4.12	3.93	4.32
900 acid	4.13	3.96	4.34
800 acid	4.15	3.98	4.37

700 acid	4.17	4	4.39
600 acid	4.18	4.04	4.41
500 acid	4.2	4.06	4.43
400 acid	4.22	4.09	4.46
300 acid	4.23	4.13	4.48
200 acid	4.25	4.17	4.49
100 acid	4.29	4.23	4.51
0 acid	4.31	4.32	4.53
0 base	4.3	4.23	4.51
100 base	4.33	4.38	4.67
200 base	4.38	4.45	4.82
300 base	4.47	4.53	4.97
400 base	4.64	4.64	5.17
500 base	4.67	4.82	5.3
600 base	4.79	4.89	5.52
700 base	4.89	5.01	5.75
800 base	4.94	5.19	5.85
900 base	5.13	5.37	5.95
1000 base	5.21	5.49	6.44

cranberry juice chambe pH: Fawn, Andreas, Aiden, Ge pH Andrew, Wilson, Marc pH: bang, belinsky, michael, br pH: Thomas, David, Taras

1000 acid	3.58	3.54	4.08	
900 acid	3.59	3.55	4.12	
800 acid	3.6	3.58	4.16	
700 acid	3.62	3.6	4.2	
600 acid	3.66	3.62	4.24	
500 acid	3.68	3.65	4.28	
400 acid	3.7	3.67	4.33	
300 acid	3.72	3.69	4.43	
200 acid	3.74	3.71	4.66	
100 acid	3.77	3.73	5.5	
0 acid	3.81	3.81	6.75	9.1
0 base	3.91	3.8	3.88	9.1
100 base	3.94	3.83	3.85	4.27
200 base	4	3.92	3.83	4.34
300 base	4.07	4.02	3.81	4.45
400 base	4.15	4.11	3.79	4.62
500 base	4.22	4.21	3.77	4.71
600 base	4.3	4.31	3.75	4.81
700 base	4.38	4.41	3.73	4.91
800 base	4.46	4.51	3.71	5
900 base	4.54	4.61	3.7	5.11
1000 base	4.62	4.72	3.68	5.19

potato extract chamber Douglas, Lucien, Joseph, Jeffre pH: Mohammad, Chandra, Mish pH: Isaac, Daniel, Albert, Yejun

1000 acid	4.79	5.36	5.06	
900 acid	4.83	5.4	5.14	
800 acid	4.87	5.43	5.23	
700 acid	4.92	5.47	5.32	
600 acid	4.97	5.5	5.42	
500 acid	5.01	5.54	5.53	

400 acid	5.07	5.58	5.66
300 acid	5.12	5.62	5.78
200 acid	5.17	5.65	5.93
100 acid	5.23	5.69	6.19
0 acid	5.32	5.74	6.33
0 base	5.28	5.82	6.33
100 base	5.44	6.05	7.38
200 base	5.71	6.3	8.68
300 base	6	6.6	9.42
400 base	6.29	6.95	10.02
500 base	6.62	7.3	10.69
600 base	6.96	7.74	11.32
700 base	7.37	8.21	11.73
800 base	7.83	8.72	12
900 base	8.22	9.07	12.14
1000 base	8.47	9.38	12.28

pH: Thomas, David, Taras	pH: Andrew, Wilson, Marc	pH: Annique,Bettina,Anneliese Dmitriy, Abu	Lester, Mindy, Kevin	
3.27	2.84	2.94	2.88	2.23
3.29	2.87	2.98	2.94	2.26
3.42	2.92	3.02	2.98	2.32
3.49	2.97	3.07	3.04	2.38
3.55	3.04	3.14	3.1	2.43
3.6	3.08	3.21	3.19	2.51
3.73	3.14	3.28	3.3	2.62
4.47	3.2	2.39	3.4	2.72
5.82	3.4	3.5	3.59	2.8
6.54	3.6	3.95	4	3.09
8.12	7.2	8.52	5.75	5.37
8.12	5.1	5.21	5.75	5.05
11.9	11.6	11.7	11.9	11.71
12.46	11.88	12.08	12.2	12.02
12.68	12.02	12.24	12.43	12.2
12.86	12.15	12.39	12.47	12.35
12.99	12.24	12.42	12.57	12.46
13.07	12.32	12.56	12.62	12.54
13.14	12.38	12.62	12.7	12.61
13.2	12.43	12.68	12.78	12.66
13.25	12.48	12.72	12.85	12.72
13.29	12.52	12.76	12.86	12.76

, Ava

pH: Mohammad, Chandra, Mishcat, Brandon

7.43
7.44
7.46
7.48
7.5
7.51
7.53
7.54
7.57
7.6
7.64
7.5
7.63
7.78
7.91
8.07
8.26
8.63
9.04
10.64
11.17
11.46

an

Water chamber, ul acid Water chamber ALL class avs

1000 acid	2.8
900 acid	2.832222222
800 acid	2.894444444
700 acid	2.942222222
600 acid	3.01
500 acid	3.073333333
400 acid	3.16
300 acid	3.222222222
200 acid	3.64
100 acid	4.271111111
0 acid	6.713333333
0 base	5.857777778
100 base	11.58
200 base	11.99111111
300 base	12.21333333
400 base	12.35
500 base	12.44444444
600 base	12.52111111
700 base	12.59333333
800 base	12.65222222
900 base	12.70444444
1000 base	12.74111111

pH 4 buffer cf pH4 buffer chamber ALL class avs

1000 acid	4.2875
900 acid	4.3225
800 acid	4.365
700 acid	4.4025
600 acid	4.4475
500 acid	4.4975
400 acid	4.5425
300 acid	4.59
200 acid	4.6325
100 acid	4.6725
0 acid	4.7425
0 base	4.6975
100 base	4.8275
200 base	5.0325
300 base	5.2125
400 base	5.325
500 base	5.46
600 base	5.5825
700 base	5.7
800 base	5.8375
900 base	5.99
1000 base	6.185

pH 7 buffer cf pH 7 buffer chamber ALL class avs

1000 acid	7.17
900 acid	7.194
800 acid	7.202
700 acid	7.216
600 acid	7.238
500 acid	7.248
400 acid	7.264
300 acid	7.278
200 acid	7.298
100 acid	7.3
0 acid	7.246
0 base	7.332
100 base	7.452
200 base	7.596
300 base	7.724
400 base	7.91
500 base	8.252
600 base	8.882
700 base	9.594
800 base	10.114
900 base	10.476
1000 base	10.718
pH 10 buffer chamber ALL class avs	
1000 acid	10.1625
900 acid	10.1725
800 acid	10.175
700 acid	10.185
600 acid	10.19
500 acid	10.2
400 acid	10.1825
300 acid	10.16
200 acid	10.11
100 acid	10.0075
0 acid	9.3525
0 base	10.35333333
100 base	10.48
200 base	10.62
300 base	10.77
400 base	10.98
500 base	11.27
600 base	11.52
700 base	11.73666667
800 base	11.87333333
900 base	11.99333333
1000 base	12.1
apple juice buffer chamber ALL class avs	
1000 acid	4.123333333
900 acid	4.143333333
800 acid	4.166666667

700 acid	4.186666667
600 acid	4.21
500 acid	4.23
400 acid	4.256666667
300 acid	4.28
200 acid	4.303333333
100 acid	4.343333333
0 acid	4.386666667
0 base	4.346666667
100 base	4.46
200 base	7.631455939
300 base	4.656666667
400 base	4.816666667
500 base	4.93
600 base	5.066666667
700 base	5.216666667
800 base	5.326666667
900 base	5.483333333
1000 base	5.713333333
cranberry juic cranberry juice buffer chamber ALL class avs	
1000 acid	3.733333333
900 acid	3.753333333
800 acid	3.78
700 acid	3.806666667
600 acid	3.84
500 acid	3.87
400 acid	3.9
300 acid	3.946666667
200 acid	4.036666667
100 acid	4.333333333
0 acid	4.79
0 base	5.1725
100 base	3.9725
200 base	4.0225
300 base	4.0875
400 base	4.1675
500 base	4.2275
600 base	4.2925
700 base	4.3575
800 base	4.42
900 base	4.49
1000 base	4.5525
potato extract potato extract buffer chamber ALL class avs	
1000 acid	5.07
900 acid	5.123333333
800 acid	5.176666667
700 acid	5.236666667
600 acid	5.296666667
500 acid	5.36

400 acid	5.436666667
300 acid	5.506666667
200 acid	5.583333333
100 acid	5.703333333
0 acid	5.796666667
0 base	5.81
100 base	6.29
200 base	6.896666667
300 base	7.34
400 base	7.753333333
500 base	8.203333333
600 base	8.673333333
700 base	9.103333333
800 base	9.516666667
900 base	9.81
1000 base	10.043333333