name:	your score:
P	ractice Test for Acids and Bases - 5 points each
_	onium ion? products of every Arrhenius Acid + Arrhenius Base neutralization? indicators are
5. When vinegar is	acid is in the beaker, the only negative ion in solution would be s in your beaker, name 4 ways to describe the only positive ion present. eids in table K is monoprotic, diprotic, or triprotic?
	heory of acids and bases, a base is a substance that can heory of acids and bases, an acid a compound that can
10. When you add	bromcresol green to a solution with pH of 4.5, what color is expected? I phenolphthalein to a solution of carbonated water, what color is expected? In a solution could you add to change that color?
	25.00 mL of 2.28 M hydrochloric acid with 20.0 mL calcium hydroxide it is the molarity of the base here?
	aced chemical equation for what happens when you eat tums exide) for an upset stomach (excess stomach acid that is HCl).
13. Skip this one.	
14. If your solution what's your so	n is 10,000 x more acidic than mine is, and my solution has pH 6.2, blution's pH?
	ith a pH of 5.0 has a H^{+1} concentration of 1 x $10^{-5.0}$ moles H^{+1} /liter, ms of H^{+1} concentration, what strength is a solution with pH 1.43?
16. If another solut	tion has a H ⁺¹ concentration of 1x10 ⁻² [H ⁺¹], what's the solution's pH?
17. How many hyd	lroxide ions would it take to neutralize the solution in question 16?

18. If 305. mL of 4.11 M H₂SO₄ is used to neutralize 1234 ml of KOH, what's the base molarity?

19. Show the chemical reaction of ammonia going into water that explains how $NH_{3(AQ)}$ is a

20. Acid rain is causing problems in the soil, plants don't grow as well with acidic soils. What solid compound can farmers put onto their ground to help neutralize some of that acid?

base. It will take arrows and labels and maybe a few sentences as well.

21. Make up one problem for acid base titration, and solve it.