

Question: What happens to pH when an acid and base are mixed together?

Materials: 250ml beaker, Graduated Cylinder, 20ml of Acid, water squirt bottle, base, Litmus Paper

Procedure:

1. Measure & record pH of both acid, water, base

Acid	Water	Base

2. Place Acid into 250ml beaker

3. Add 10ml of water & measure/record pH

Acid with 10 ml of water	pH =
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4. What did you notice about pH, Explain.

5. Add 10ml of base to acid/water mix.

6. measure/record pH & any other observations

7. Repeat Twice

	Acid Water Mix From Step 3	With 10ml of base	With 20 ml of base
pH			

8. Continue to add base to acid until the acid no longer fizzes. Record

amount of base added	pH

9. Conclusion: Remind me as to how Acids and Bases differ in both pH and H⁺ and OH⁻ ions. Hypothesize as to why it took so much more base to neutralize (pH=7) the acid. Use data from your experiment to support your claims.