

## Molarities of Concentrated Acids and Bases

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**Molarities and Weight Percents of Concentrated Acids and Bases**

Name	Approximate Weight Percent	Approximate Molarity	mL needed to prepare 1 L of approx. 1.0 M solution
<b><i>Acid</i></b>			
Acetic	99.8	17.4	57.5
Hydrochloric	37.2	12.1	82.6
Hydrofluoric	49.0	28.9	34.6
Nitric	70.4	15.9	62.9
Perchloric	70.5	11.7	85.5
Phosphoric	85.5	14.8	67.6
Sulfate	96.0	18.0	55.6
<b><i>Base</i></b>			
Ammonia	28.0	14.5	69.0
Sodium Hydroxide	50.5	19.4	51.5
Potassium Hydroxide	45.0	11.7	85.5