

# Acids and Bases Nomenclature

Write the formulas for the following acids and bases.

|                       |  |
|-----------------------|--|
| Nitric acid           |  |
| Chloric acid          |  |
| Chromic acid          |  |
| Lithium hydroxide     |  |
| Cobalt (II) hydroxide |  |
| Sulfuric acid         |  |
| Hydrobromic acid      |  |
| Phosphoric acid       |  |
| Phosphorous acid      |  |
| Acetic acid           |  |
| Hypophosphorous acid  |  |
| Iron (III) hydroxide  |  |
| Perchloric acid       |  |
| Aluminum hydroxide    |  |
| Ammonium hydroxide    |  |
| Carbonic acid         |  |
| Magnesium hydroxide   |  |
| Barium hydroxide      |  |

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## Answers

|                       |                          |
|-----------------------|--------------------------|
| Nitric acid           | $\text{HNO}_3$           |
| Chloric acid          | $\text{HClO}_3$          |
| Chromic acid          | $\text{H}_2\text{CrO}_4$ |
| Lithium hydroxide     | $\text{LiOH}$            |
| Cobalt (II) hydroxide | $\text{Co}(\text{OH})_2$ |
| Sulfuric acid         | $\text{H}_2\text{SO}_4$  |
| Hydrobromic acid      | $\text{HBr}$             |
| Phosphoric acid       | $\text{H}_3\text{PO}_4$  |
| Phosphorous acid      | $\text{H}_3\text{PO}_3$  |
| Acetic acid           | $\text{CH}_3\text{COOH}$ |
| Hypophosphorous acid  | $\text{H}_3\text{PO}_2$  |
| Iron (III) hydroxide  | $\text{Fe}(\text{OH})_3$ |
| Perchloric acid       | $\text{HClO}_4$          |
| Aluminum hydroxide    | $\text{Al}(\text{OH})_3$ |
| Ammonium hydroxide    | $\text{NH}_4\text{OH}$   |
| Carbonic acid         | $\text{H}_2\text{CO}_3$  |
| Magnesium hydroxide   | $\text{Mg}(\text{OH})_2$ |
| Barium hydroxide      | $\text{Ba}(\text{OH})_2$ |