

Acids & Bases HOMEWORK

Lesson 1

1. Provide the name for each of the strong acids listed below. Provide the formula for each of the strong bases listed below.

- ~~HBr~~ **hydrobromic acid**
- ~~HCl~~ **hydrochloric acid**
- ~~HNO₃~~ **nitric acid**
- ~~H₂SO₄~~ **sulfuric acid**
- ~~Strontium hydroxide~~ **LiOH**
- ~~potassium hydroxide~~ **KOH**
- ~~Sodium hydroxide~~ **NaOH**
- ~~calcium hydroxide~~ **Ca(OH)₂**
- ~~ammonium hydroxide~~ **LiOH**

~~HClO₄ is a STRONG acid & it does not completely dissociate in water.~~

2. Of the acids and bases listed below, circle the ones that completely dissociate in water.

HCl

~~HF~~

~~H₂SO₄~~

~~Mg(OH)₂~~

NaOH

NaHCO₃

~~NaOH~~

Na₂CO₃

3. What is the formula for hydronium? **H₃O⁺**

4. BaCu_2O_4 will react with water and lose a H^+ ion in the process.

- Write a balanced equation for this reaction: $\text{BaCu}_2\text{O}_4 + \text{H}_2\text{O} \rightarrow \text{BaCu}_2\text{O}_3 + \text{H}^+$
- Would you expect a large or small equilibrium constant for this reaction? **small, because BaCu_2O_4 is a weak acid.**
- Would you define BaCu_2O_4 as a proton donor or a proton acceptor? **proton donor, because it is losing a H^+ ion.**
- In your written equation, is BaCu_2O_4 acting as a Brønsted-Lowry acid or a Brønsted-Lowry base? **Brønsted-Lowry acid, because it is losing a proton.**
- Identify the conjugate base of BaCu_2O_4 : **BaCu_2O_3**
- Identify BaCu_2O_4 as polyprotic, amphoteric, or neither. **polyprotic, because it contains multiple H's.**

5. F^- will react with water and gain a H^+ ion in the process.

- Write a balanced equation for this reaction: $\text{F}^- + \text{H}_2\text{O} \rightarrow \text{HF} + \text{OH}^-$
- Would you expect a large or small equilibrium constant for this reaction? **small, because F^- is a weak base.**
- Would you define F^- as a proton donor or a proton acceptor? **proton acceptor, because it is gaining a H^+ ion.**
- In your written equation, is F^- acting as a Brønsted-Lowry acid or a Brønsted-Lowry base? **Brønsted-Lowry base, because it is gaining a proton.**
- Identify the conjugate acid of F^- : **HF**
- Identify F^- as polyprotic, amphoteric, or neither. **neither**

6. HPO_4^{2-} will react with water and lose a H^+ ion in the process.

- Write a balanced equation for this reaction: $\text{HPO}_4^{2-} + \text{H}_2\text{O} \rightarrow \text{H}_2\text{PO}_4^- + \text{OH}^-$
- Would you expect a large or small equilibrium constant for this reaction? **small, because HPO_4^{2-} is a weak acid.**
- Would you define HPO_4^{2-} as a proton donor or a proton acceptor? **proton donor, because it is losing a H^+ ion.**
- In your written equation, is HPO_4^{2-} acting as a Brønsted-Lowry acid or a Brønsted-Lowry base? **Brønsted-Lowry acid, because it is losing a proton.**
- Identify the conjugate base of HPO_4^{2-} : **PO_4^{3-}**
- Identify HPO_4^{2-} as polyprotic, amphoteric, or neither. **amphoteric, because it has a negative charge (and will like a proton) and it has H's (and will like to lose one).**

19 3 Acids And Bases Answer Key Chemistry

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Prentice Hall Chemistry, 2000 *Cehmistry Textbook for College and University USA* Ibrahim Sikder, 2023-06-04
Cehmistry Textbook USA **Physical Chemistry for Engineering and Applied Sciences** Frank R. Foulkes, 2012-09-12
Physical Chemistry for Engineering and Applied Sciences is the product of over 30 years of teaching first year Physical Chemistry as part of the Faculty of Applied Science and Engineering at the University of Toronto Designed to be as rigorous as compatible with a first year student s ability to understand the text presents detailed step by step derivations of the equations that permit the student to follow the underlying logic and of equal importance to appreciate any simplifying assumptions made or mathematical tricks employed In addition to the 600 exercises and end of chapter problems the text is rich in worked non trivial examples many of which are designed to be inspiring and thought provoking Step by step derivation of all equations enables the student to smoothly follow the derivation by sight and can be understood relatively easily by students with moderate skills and backgrounds in mathematics Clear and accessible Physical Chemistry for Engineering and Applied Sciences includes The answers to all of the 112 worked examples 99 exercises following many of the worked examples and 496 end of chapter problems Topics not normally seen in introductory physical chemistry textbooks ionic reaction rates activities and activity coefficients or not regularly explained in much detail electrochemistry chemical kinetics with an eye on industrial applications Special appendices that provide detailed explanations of basic integration and natural logarithms for students lacking a background in integral calculus An in depth chapter on electrochemistry in which activities and activity coefficients are used extensively as required for accurate calculations *A Dictionary of Chemistry and the Allied Branches of Other Sciences* Henry Watts, 1875 **A Dictionary of chemistry and the allied branches of other sciences v. 3, 1882** Henry Watts, 1882 *General Chemistry* Ralph H. Petrucci, William S. Harwood, 1993 General Chemistry Principles and Modern Applications is recognized for its superior problems lucid writing and precision of argument This updated and expanded edition retains the popular and innovative features of previous editions including Feature Problems follow up Integrative and Practice Exercises to accompany every in chapter Example and Focus On application boxes as well as new Keep in Mind marginal notes Topics covered include atoms and the atomic theory chemical compounds and reactions gases Thermochemistry electrons in atoms chemical bonding liquids solids and intermolecular forces chemical kinetics principles of chemical equilibrium acids and bases electrochemistry representative and transitional elements and nuclear and organic chemistry For individuals interested in a broad overview of chemical principles and applications **Watts' Dictionary of Chemistry** Henry Watts, Henry Forster Morley, Matthew Moncrieff Pattison Muir, 1894
 A Dictionary of Applied Chemistry Thomas Edward Thorpe, 1894 *A dictionary of chemistry and the allied branches of other sciences* Henry Watts (F.C.S.), 1882 **Chemistry** James Vincent Quagliano, L. M. Vallarino, 1969 Cumulated Index Medicus, 1993 *Chemistry, Inorganic and Organic* Charles Loudon Bloxam, 1883 **Journal of the Chemical Society**

Chemical Society (Great Britain),1890 Titles of chemical papers in British and foreign journals included in Quarterly journal v
1 12 Journal of the Society of Chemical Industry Society of Chemical Industry (Great Britain),1899 Includes list of
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