

# Acids and Bases

## Section 19.1 Acids and Bases: An Introduction

*In your textbook, read about the properties of acids and bases.*

For each description below, write *acid* if it tells about a property of an acid or *base* if it tells about a property of a base. If the property does not apply to either an acid or a base, write *neither*. If it applies to both an acid and a base, write *both*.

- \_\_\_\_\_ 1. Can turn litmus paper a different color
- \_\_\_\_\_ 2. Reacts with certain metals
- \_\_\_\_\_ 3. Contains more hydrogen ions than hydroxide ions
- \_\_\_\_\_ 4. Feels slippery
- \_\_\_\_\_ 5. Reacts with carbonates
- \_\_\_\_\_ 6. Feels rough
- \_\_\_\_\_ 7. Contains equal numbers of hydrogen and hydroxide ions
- \_\_\_\_\_ 8. Tastes bitter
- \_\_\_\_\_ 9. Tastes sour

*In your textbook, read about the different models of acids and bases.*

Use the terms below to complete the passage. You may use each term more than once.

Arrhenius  
conjugate base

Brønsted-Lowry  
hydrogen

conjugate acid  
hydroxide

The **(10)** \_\_\_\_\_ model of acids and bases states that an acid contains the element **(11)** \_\_\_\_\_ and forms ions of this element when it is dissolved in water. A base contains the **(12)** \_\_\_\_\_ group and dissociates to produce **(13)** \_\_\_\_\_ ions in aqueous solution.

According to the **(14)** \_\_\_\_\_ model, an acid donates **(15)** \_\_\_\_\_ ions, and a base accepts **(16)** \_\_\_\_\_ ions. According to this model, in an acid-base reaction, each acid has a **(17)** \_\_\_\_\_, and each base has a **(18)** \_\_\_\_\_.

# Acids And Bases Learning Guide To Chapter 19 Ws

**G Orfield**



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Users' Guides to the Medical Literature: A Manual for Evidence-Based Clinical Practice, 3E Gordon Guyatt, 2014-10-22

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**Current Catalog** National Library of Medicine (U.S.), 1993 First multi year cumulation covers six years 1965-70

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