

7-3 Review and Reinforcement

Naming Chemical Compounds

Write the correct numerical prefix for each of the numbers in the table below.

Number	Prefix
1	mono
2	di
3	tri
4	tetra
5	penta
6	hexa
7	hepta
8	octa
9	nona
10	deca

Complete each of the following sentences by filling in the appropriate word or phrase from the list below.

cation
anion

hydrates
anhydrates

electronegative
hydrogen ions

ionic
molecular

- Ionic compounds that absorb water into their solid structures form substances called **—hydrate**.
- When naming an ionic substance, the name of the **—cation** comes first.
- To name a binary molecular compound, add the suffix *-ide* to the more **—electronegative** of the two elements.
- By one definition, an acid is a molecular compound that dissolves in water to produce **—hydrogen ions**.
- The name of an acid is usually derived from the name of its characteristic **—anion**.
- Prefixes are often used when naming **—molecular** compounds.

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A Gutmann



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