

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	
2	
3	
4	
5	
6	
7	
8	
9	
10	

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

cation hydrates electronegative ionic
anion anhydrates hydrogen ions molecular

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

Name _____ Date _____ Class _____

7-3 Review and Reinforcement (continued)

Write the name of each of the following ionic compounds.

17. ZnO _____
18. NaNO₃ _____
19. K₂CO₃ _____
20. Mg(OH)₂ _____
21. K₂S _____
22. CaF _____
23. AgCl _____
24. (NH₄)₃PO₄ _____

Write the name of each of the following molecular compounds.

25. SO₂ _____
26. HI _____
27. P₂S₃ _____
28. NF₃ _____
29. SF₆ _____
30. H₂S _____
31. N₂O₅ _____
32. PCl₅ _____