

Ionic Hydrate Worksheet

Name the following hydrates: (Hint: Remember how to name ionic compounds!)



Write the formulas for the following hydrates: (Look at p. 2 in your book; remember how to cross formulas!)

Barium Phosphate dihydrate

Copper(II)sulfate pentahydrate

Cobalt chloride hexahydrate

Magnesium sulfate heptahydrate

Nickel (II) sulfate hexahydrate

Copper (I) Bromide tetrahydrate

Naming Hydrates

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

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, degree of hydration, anhydrous, anion

1. Ionic compounds that absorb water into their solid structures form substances called _____.
2. A compound that is completely dry or "water-free" is called _____.
3. When naming an ionic substance, the name of the _____ comes first, followed by the name of the _____.
4. The prefix in the name of a hydrate indicates the _____.