

SNC 1P1 1.14 CHEMICAL SYMBOLS AND FORMULAS

*****HOMEWORK***** Read Section 1.14 and answer #4 on p. 41 (This will be checked tomorrow)

CHEMICAL FORMULAS

- When we put elements _____, we can create countless _____ chemicals. The _____ are then given _____ depending on which _____ make up each _____ chemical. The _____ of element _____ is called a chemical _____.
- A chemical _____ let's us know which _____ and how _____ of each _____ are present in a specific _____.
- For example, the _____ formula _____ represents _____ (its chemical name is _____). Which two _____ make up _____? _____ and _____.
- In each _____ of _____, _____ atom of _____ is combined with _____ atom of _____. No _____ are required in this _____ because only _____ atom of each _____ is involved in making _____.
- If _____ than one _____ of an _____ is involved in a _____, a _____ must be included in the chemical _____. The _____ in chemical formulas are called _____. Subscripts are _____ numbers written _____ the _____.
- For example, the chemical _____ for _____ is _____. This formula means that each _____ of _____ contains _____ atoms of _____ and _____ atom of _____. The small _____ after the _____ represents _____ hydrogen atoms.
- Let's look at a few more chemical formulas:

○ The formula for _____ (calcium carbonate) is

_____.

▪ What _____ (and how _____) make up chalk?

- _____
- _____
- _____

○ _____ (acetic acid) has the following formula:

_____.

▪ How many of each _____ is in vinegar?

- _____
- _____
- _____

- Sodium _____ (_____) has a formula that consists of _____ atom, _____ atom, _____ atom, and _____ atoms. What is the _____ of baking soda?

- _____

- Sometimes _____ are used when writing _____. Any _____ outside of the bracket _____ everything _____ of the _____ by that number. For example, the formula for calcium _____ (a fertilizer) is _____. How many of each _____ are in calcium phosphate?

- _____
- _____
- _____

- Let's try another one: Aluminum _____ has a formula of _____. How many of each _____ are in aluminum sulfate?

- _____
- _____
- _____