

Module 4 Practice

A. Reading a chemical formula

One molecule of hemoglobin (makes your blood red):



1. Circle the subscripts in the chemical formula above.
2. Underline each chemical symbol and list each one in the chart below.
3. Identify each chemical symbol and count the number of atoms of each.
4. Calculate the total number of atoms in a molecule of hemoglobin.

Chemical Symbol	Chemical Name	# of Atoms

Total number of atoms in one molecule of hemoglobin = _____

B. Write the chemical formula for the following molecules.

5. Baking Soda (1 sodium, 1 hydrogen, 1 carbon, 3 oxygen) _____
6. Natural Gas (1 carbon and 4 hydrogen) _____
7. Bleach (1 sodium, 1 chlorine, and 1 oxygen) _____
8. Rust (1 iron and 1 oxygen) _____
9. Plaster (1 calcium, 1 sulfur, 4 oxygen) _____

C. Count the total number of atoms in each of the following molecules.

10. Water - H_2O _____
11. Teflon - C_2F_4 _____
12. Epsom Salt - MgSO_4 _____
13. Carbon Dioxide - CO_2 _____