

Name _____

Molecules

Read the paragraph below. Fill each blank with the word "molecules" or the word "compounds."

_____ ¹ are formed when two or more atoms join together. In _____ ² the atoms can be the same kind of element or different elements. _____ ³ are molecules that contain at least two different types of elements. Both _____ ⁴ and _____ ⁵ are combinations of atoms, but they are different kinds of combinations. All _____ ⁶ are _____ ⁷, but not all molecules are _____ ⁸.

Read each molecule name and chemical abbreviation. Write the names of the elements that make up the molecule and how many atoms of each of the elements are present in the molecule.

9. Water: H_2O _____
10. Nitrous oxide: N_2O _____
11. Sulfuric Acid: H_2SO_4 _____
12. Methane: CH_4 _____
13. Glucose: $C_6H_{12}O_6$ _____
14. Acetic Acid: $C_2H_4O_2$ _____
15. Citric Acid: $C_6H_8O_7$ _____
16. Ethanol: C_2H_6O _____
17. Phosphoric Acid: H_3PO_4 _____
18. Silicon monoxide: SiO _____