


NAME: _____ PERIOD: _____ DATE: _____

Matching Molecules

Elements can chemically combine to form **molecules** or **compounds**. Molecules can be made up of two or more of the same type of atoms or different types of atoms. Compounds must be made up of two or more different elements combined in a set ratio. Molecules and compounds are represented by **chemical formulas** that show the elements and the ratio in which they are combined.

DIRECTIONS:

Match the molecule names to their formula and structure. Then complete the following chart.

Name	Formula	Draw the structure	Molecule, Compound or Both??
Dihydrogen monoxide (water)	H_2O		<input type="checkbox"/> Molecule <input type="checkbox"/> Compound
Carbon monoxide			<input type="checkbox"/> Molecule <input type="checkbox"/> Compound
Oxygen gas			<input type="checkbox"/> Molecule <input type="checkbox"/> Compound
Sodium chloride (salt)			<input type="checkbox"/> Molecule <input type="checkbox"/> Compound
Methane			<input type="checkbox"/> Molecule <input type="checkbox"/> Compound
Sodium hydroxide			<input type="checkbox"/> Molecule <input type="checkbox"/> Compound
Hydrochloric acid			<input type="checkbox"/> Molecule <input type="checkbox"/> Compound
Chlorine gas			<input type="checkbox"/> Molecule <input type="checkbox"/> Compound
Hydrogen peroxide			<input type="checkbox"/> Molecule <input type="checkbox"/> Compound

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