

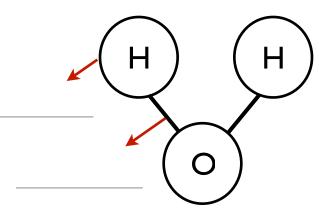
Date:

How many of each atom are in each molecule? Write your answer in the appropriate box.

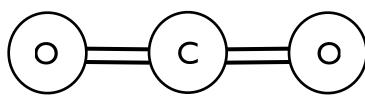
Molecular Name	Common Name	Hydrogens	Oxygens	Carbons	Other
H ₂ O	water	2	Ι	0	0
CO2	cardon dioxide	0	2	Ι	0
CH ₃ COOH	Vinegar	4	2	2	0
CaCO ₃	Calcium carbonate	0	3	Ι	calcium (1)
$C_6H_{12}O_6$	sugar	12	6	6	0
NaCl	salt	0	0	0	sodium (1) Chloride (1)

What is a bond? A bond is the part of the molecule that connects two atoms together. Label the bond and the atom. Answer the following questions about the characteristics of your molecules.



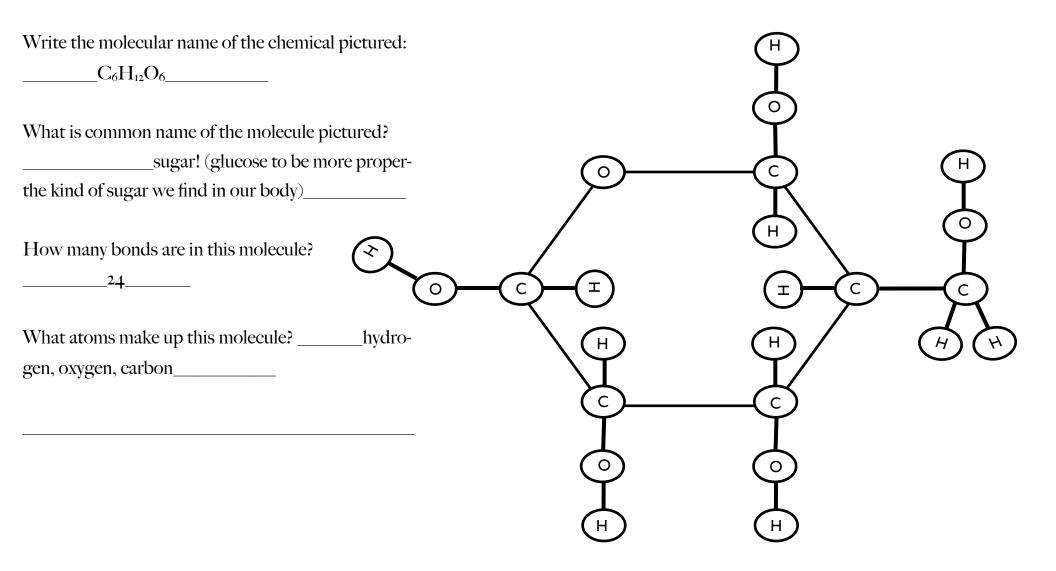


	Write the molecular name of the molecule pictured:Water (H2O)						
)	What is common name of the molecule pictured?water						
	How many bonds are in this molecule?two						
	What atoms make up this molecule?hydrogen and oxygen						
	Write the molecular name of the chemical pictured:CO2						
	What is common name of the molecule pictured?carbon dioxide						
	How many bonds are in this molecule?four (two double bonds)						
	What atoms make up this molecule?carbon and oxygen						



et's Do Science: Molecule Building!!		
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Write the molecular name of the chemical pictured:CH3COOH	—(Н	(\circ)
What is common name of the molecule pictured?Vinegar		Н
How many bonds are in this molecule?Eight		
What atoms make up this molecule?Hydrogen, oxygen, carbon	-	







This is how scientists write a chemical reaction.

Do you remember how we saw a chemical reaction when we combined 1) vinegar and chalk, 2) vinegar and sand, 3) vinegar and crab shell, 4) vinegar + cone snail shell? The bubbles that we saw were carbon dioxide (Co_2) being released from the calcium carbonate ($CaCo_3$)! Use this model to replicate the chemical reaction with the materials you were given in class.

