Name	
Date	Hour

## MARSHMALLOWS AND CHEMICAL FORMULAS

Objective:

Using the materials provided, you are going to build models of nine different molecules.

Each one must contain the correct number and kind of atoms.

Materials:

Ziploc bag of 27 marshmallows

toothpicks - break them in half

paper towel

## Procedure:

1. Color code your marshmallows. You choose the colors to be used. Record those colors in the space below.

2. Make each marshmallow molecule listed below. Place each molecule on a piece of paper towel and abel each one with its formula.

water = H<sub>2</sub>O

carbon dioxide = CO<sub>2</sub>

carbon monoxide = CO

methane = CH<sub>4</sub>

ozone = O<sub>3</sub>

table salt = NaCl

chlorine bleach = NaOCl

baking soda = NaHCO3

Š

For each example below, list the number and names of the atoms in the molecule. Then, write the total number of atoms in the molecule.

NaCL Atoms:	H <sub>2</sub> O <sub>2</sub> Atoms:	Hg <sub>2</sub> Cl <sub>2</sub> Atoms:
Fe <sub>2</sub> O <sub>3</sub> Atoms:	M₃PO₄ Atoms:	6 K2CO3 Atoms:
CaCl2 Atoms:	8) NH4Br Atoms:	9 CaH6 Atoms:
H <sub>2</sub> SO <sub>4</sub> Atoms:	Na:SO: Atoms:	CaH10N3O5P Atoms:

Choose 3 example from above and make models of a molecule, make a small key.				
			·	
	1			
			·	
		· ·		
	·			
·				