

Name _____

Period _____ Date _____

MYSTERY-MIXTURE ELEMENTS**Part 1. Identifying elements**

Substance	Chemical formula	Elements
Calcium carbonate	CaCO_3	
Sodium carbonate	Na_2CO_3	
Sodium bicarbonate	NaHCO_3	
Magnesium sulfate	MgSO_4	
Calcium chloride	CaCl_2	
Sodium chloride	NaCl	
Ascorbic acid	$\text{C}_6\text{H}_8\text{O}_6$	
Citric acid	$\text{C}_6\text{H}_8\text{O}_7$	
Sucrose	$\text{C}_{12}\text{H}_{22}\text{O}_{11}$	

Part 2. Questions

- Which substance has the greatest number of elements? _____ How many? _____
- Altogether, how many different elements are in the nine substances? _____
- Which element is found in the greatest number of substances? _____
- How many elements are in the substance carbon dioxide? _____
- How many elements are in the substance water? _____
- Which of the nine substances are made of two elements? _____

- Which of the nine substances are made of three elements? _____

- Which of the nine substances are made of four elements? _____
