

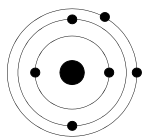
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## Elements, Compounds, and Mixtures

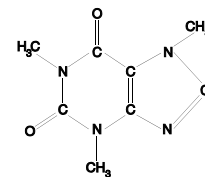
**Read the poem on the other side of this sheet. Then, answer the questions below based on the poem.**

1. According to the poem, what are the three forms in which matter is found? \_\_\_\_\_  
\_\_\_\_\_
2. In which form is matter most commonly found? \_\_\_\_\_
3. What are the main differences between elements, compounds, and mixtures? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
4. Why is it that when you mix salt and water together, "It will still be salty and wet?" \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
5. Hydrogen is an explosive gas, and oxygen supports combustion? How is it possible, then, for water, which is composed of hydrogen and oxygen, to put out fires? Quote the lines in the poem that explain this. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
6. Indicate whether each of the following describes an element, compound, or mixture:
  - a. composed of more than one substance \_\_\_\_\_  
\_\_\_\_\_
  - b. simple substance that can't be broken down \_\_\_\_\_  
\_\_\_\_\_
  - c. has different properties than the substances that compose it? \_\_\_\_\_
  - d. gold \_\_\_\_\_
  - e. air \_\_\_\_\_
  - f. juice \_\_\_\_\_
  - g. sugar \_\_\_\_\_
  - h. oxygen \_\_\_\_\_
  - i. table salt \_\_\_\_\_



## Elements, Compounds, and Mixtures

By Evan P. Silberstein



Elements are simple things  
That can't be broken down.  
When put together chemically,  
They always form compounds.  
But thinking of the usual way  
That chemicals are found,  
It's jumbled up in mixtures that  
Most chemicals abound.

*Chemicals are everywhere—  
One of life's permanent fixtures.  
Yes, chemicals really matter—  
Those elements, compounds, and mixtures.*

Elements are building blocks  
From which all things are made.  
There are over one hundred elements  
In the element parade.  
And they're all made of atoms  
Just as Mr. Dalton said.  
It's elements, pure and simple,  
Nothing simpler, I'm afraid.

*Chemicals are everywhere—  
One of life's permanent fixtures.  
Yes, chemicals really matter—  
Those elements, compounds, and mixtures.*

Compounds form from elements,  
And, 'though it may seem strange,  
When they form a compound,  
Their properties all change.  
As chemicals combine,  
Their particles rearranged,  
To form some different substances,  
Their properties all change.

*Chemicals are everywhere—  
One of life's permanent fixtures.  
Yes, chemicals really matter—  
Those elements, compounds, and mixtures.*

With mixtures, it's so different,  
And there's one thing you can bet—  
Put salt and water together,  
It will still be salty and wet.  
'Though you might be fearing changes,  
There's no reason for to fret.  
Without chemical combination  
There's nothing new to get.

*Chemicals are everywhere—  
One of life's permanent fixtures.  
Yes, chemicals really matter—  
Those elements, compounds, and mixtures.*

