

CHEMICAL SYMBOLS AND FORMULA WORKSHEET NAME: _____

1. Why are symbols useful in describing chemicals?
2. What two things does a chemical formula tell us about a compound?
3. Write the chemical formula for the following:
 - a. A molecule of carbon dioxide is made up of 1 atom of carbon and 2 atoms of oxygen.
 - b. A molecule of aspirin that is made up of 9 atoms of carbon, 8 atoms of hydrogen, and 4 atoms of oxygen
 - c. A molecule of sugar that is made up of 6 atoms of carbon, 12 atoms of hydrogen and 6 atoms of oxygen
4. Fill in the following table:

Name	Formula	# of Different Elements	# of Each Type of Atom in the Formula
Acetic acid	C ₂ H ₄ O ₂	3	C=2 H=4 O=2
Paradichlorobenzene	C ₆ H ₄ O ₂		
Pyrite	FeS ₃		
Sucrose	CH ₁₂ O ₆		
Butane	C ₄ H ₁₀		
Asbestos	H ₄ Mg ₂ Si ₂ O ₉		
Sulfuric Acid	H ₂ SO ₄		