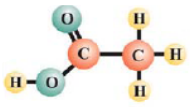
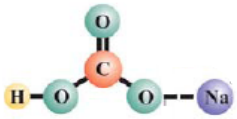
CHEMICAL EQUATIONS- PAGE 90

REACTANTS



Vinegar

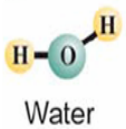
$HC_2H_3O_2$



Baking Soda

$NaHCO_3$

PRODUCTS

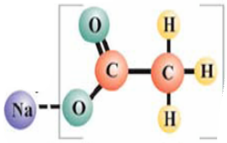


Water

H_2O

Carbon dioxide

CO_2



Sodium acetate

$NaC_2H_3O_2$

QUESTIONS: copy table

a.

Reactant Atoms	#
Carbon	
Hydrogen	
Oxygen	
Sodium (Na)	

Product Atoms	#
Carbon	
Hydrogen	
Oxygen	
Sodium (Na)	

4. Stop & Think QUESTIONS- P 90

a. Fill in the Table with the numbers of each type of atom on the reactant side of the equation and on the product side of the equation.

b. How do the numbers of atoms of each element compare on the reactant and product side of the equation? What does this imply for the law of conservation of mass?

c. What phase are each of the reactants (solid, liquid, or gas)? What phase are each of the three products (solid, liquid, or gas)?

d. Suggest a way to do the experiment that could better demonstrate conservation of mass. INCLUDE PICTURES!!