

Name _____ Date _____ Period _____ Page _____

Controlling the Amounts of Product in a Chemical Reaction - Notes Sheet

Question to Investigate: How can you make just the right amount of foam that rises to the top of the graduated cylinder without overflowing?

Key Concepts:

- ❖ Changing the amount of reactants affects the amount of _____ in a chemical reaction.
- ❖ In a chemical reaction, only the atoms present in the _____ can end up in the _____.
- ❖ Mass _____ in a chemical reaction.

Controlling the Amounts of Product Processing

How many of each type of atom appears on each side of the chemical equation?

$C_2H_4O_2 + NaHCO_3 \longrightarrow NaC_2H_3O_2 + H_2O + CO_2$		
Atom	Reactant side	Product side
Carbon		
Hydrogen		
Oxygen		
Sodium		

What does the statement "Mass is conserved during a chemical reaction" mean?