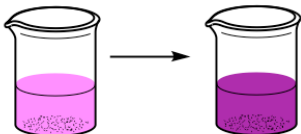
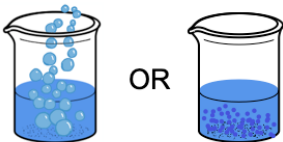



CONCEPT: CHEMICAL REACTION: CHEMICAL CHANGE

- Recall, chemical reaction is an example of a _____ change.
 - **Chemical Reaction:** chemical bonds _____ in reactants, new chemical bonds _____ in the products.
 - We can observe certain evidence of a chemical reaction taking place.

Observable Evidence of Chemical Reaction		
 Change in _____	 Formation of _____ or _____	 Change in _____

EXAMPLE: What happens on a molecular level when a chemical reaction occurs?

- a) bonds are broken b) bonds are formed c) temperature increases or decreases d) all of the above

- **Chemical Equation:** expression that uses **chemical formulas** and **symbols** to represent chemical reaction.



Symbols of Chemical Equations			
\longrightarrow	_____	(l)	_____
Δ	_____	(g)	_____
(s)	_____	(aq)	_____

EXAMPLE: Write a chemical equation using correct formulas and symbols for the decomposition of solid sodium carbonate at high temperature to produce solid sodium oxide and carbon dioxide gas.