Notes and Vocabulary for Chemical Reactions

Use the websites and resources provided. DO NOT GOOGLE SEARCH, I have given you the information in the easiest to understand language and the most obvious way. Fill out the sheet provided. These will act as your notes and reference material for the work we do in the following days.

Resource	Vocabulary Word:	Definition:	Example:
https://www.ducksters.com/science/chemistry/glossary_and_terms.php	Atoms		
	Molecule		
	Compound		
	Product		
	Reactant		
	Chemical reaction		
	Catalyst		
https://kids.kiddle.co/Chemical_formula	Molecular formula		
https://academickids.com/encyclopedia/index.php/Chemical_formula	Subscript		
	Coefficient		

Subscript and Coefficient explanation and examples: https://www.youtube.com/watch?v=wGNgY2XoYPs

*** Watch the video explaining subscripts and coefficients. Then answer the questions that go along with it. Go back, pause, and re-watch as much as you need.

1. Where are the subscripts found? Describe their size and location.

2. If there is no subscript or coefficient what number do we assume would be there?

3. Where are the coefficients found? Describe their size and location.

4. What does the coefficient of 2 mean when the molecular formula is $2H_2O$?

5. Do the coefficients identify compounds that are chemically bonded? Yes or No
6. Do subscripts identify compounds that are chemically bonded? Yes or No
7. How many Hydrogen atoms are there in $2H_2O$?
8. How many Oxygen atoms are there in $2H_2O$?
9. In the chemical formula $5H_2O$
   - How many Hydrogen (H) =
   - How many Oxygen (O) =
10. What would happen if you changed the **SUBSCRIPT** in a chemical formula? $H_2O \longrightarrow H_2O_2$

Wrapping it up. Re-watch the video if you can not answer this question yet:

Why **CAN** you change the **Coefficient**? H2O $\longrightarrow$ $3H_2O$