## **Outcome-Based Student Self Assessment**

Course: Science 10F Unit: Chemistry Student Name:\_\_\_\_\_

Outcomes & Examples	Green/Red/	Student's Action Plan	Follow Up
	Yellow?	What will you do to achieve the outcome? (check all that apply)	-What have you done? - Is the outcome achieved?
Outcome:		Read your notes	13 the outcome demoved:
List the Greek philosophers		☐ Seek extra help	
and their contribution to		☐ Ask a friend	
Chemistry. Include		☐ Check your text/internet	
Democritus, Empedocles,		☐ Sign up for a Peer tutor	
Aristotle.		☐ Make study notes	
List contributions here:			
Outcome:		☐ Read your notes	
List the three main goals of the		☐ Seek extra help	
Alchemists and give three		☐ Ask a friend	
reasons why they are		☐ Check your text/internet	
important.		☐ Sign up for a Peer tutor	
r		☐ Make study notes	
List contributions and goals he	re:		l
Outcome:		☐ Read your notes	
List the contributions of		☐ Seek extra help	
Antone Lavoisier and Joseph		☐ Ask a friend	
Priestly		☐ Check your text/internet	
		☐ Sign up for a Peer tutor	
List contributions and scale ha		☐ Make study notes	
List contributions and goals he	re:		
Outcome:		☐ Read your notes	
John Dalton's atomic theory		☐ Seek extra help	
and atomic model		☐ Ask a friend	
		☐ Check your text/internet	
		☐ Sign up for a Peer tutor	
		☐ Make study notes	
Give the main points of the ato	mic theory, and	describe and draw his model of the	atom.

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	Yellow?	What will you do to achieve the	- What have you done?	
		outcome? (check all that apply)	- Is the outcome achieved?	
Outcome:		☐ Read your notes		
Thompson's model of the		☐ Seek extra help		
atom		☐ Ask a friend		
		☐ Check your text/internet		
		☐ Sign up for a Peer tutor		
		☐ Make study notes		
Describe and draw Tomps	on's model of the ato		<u> </u>	
Outcome:		☐ Read your notes		
Rutherford's Model of the		☐ Seek extra help		
atom.		☐ Ask a friend		
		☐ Check your text/internet		
		☐ Sign up for a Peer tutor		
		☐ Make study notes		
Describe and draw Ruther	ford's model of the a	tom.		
Outcome:		☐ Read your notes		
Bohr's model of the atom.		☐ Seek extra help		
		☐ Ask a friend		
		☐ Check your text/internet		
		☐ Sign up for a Peer tutor		
		☐ Make study notes		
Describe and draw Bohr's model of the atom.				
Outcome:		☐ Read your notes		
Count the number of		☐ Seek extra help		
protons electrons and		☐ Ask a friend		
neutrons in an atom.		☐ Check your text/internet		
		☐ Sign up for a Peer tutor		
		☐ Make study notes		
Choose 2 elements and cou	nt the number of pro	otons electrons and neutrons.		

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_	Yellow?	What will you do to achieve the	- What have you done?			
		outcome? (check all that apply)	- Is the outcome achieved?			
Outcome:		☐ Read your notes				
Draw Bohr diagrams for		☐ Seek extra help				
the first 18 elements.		☐ Ask a friend				
		☐ Check your text/internet				
		☐ Sign up for a Peer tutor				
		☐ Make study notes				
Choose 2 elements from the	e first 18 and draw a	Bohr diagram for each.				
Outcome:		☐ Read your notes				
Describe the development		☐ Seek extra help				
of the periodic table.		☐ Ask a friend				
Include: Mendeleev,		☐ Check your text/internet				
Moseley		☐ Sign up for a Peer tutor				
		☐ Make study notes				
How did Mendeleev organi	ze the periodic table					
	•					
How did Moseley organize	the periodic table?					
	•					
How is the periodic table o	rganized today?					
_	•					
Outcome:		☐ Read your notes				
Trends in the periodic		☐ Seek extra help				
table. (Rows & Columns)		☐ Ask a friend				
,		☐ Check your text/internet				
		☐ Sign up for a Peer tutor				
		☐ Make study notes				
What are the columns of th	e periodic table calle	ed, and what does the column numb	er represent?			
, , , , , , , , , , , , , , , , , , , ,	periodic tubic cuiii	,				
What are the rows of the p	eriodic table called, a	and what does the row number repr	resent?			
	,					
Outcome:		☐ Read your notes				
Families of the periodic		☐ Seek extra help				
table.		☐ Ask a friend				
tuore.		☐ Check your text/internet				
		☐ Sign up for a Peer tutor				
		☐ Make study notes				
List the 6 families of the periodic table. State their column number.						
List the o families of the pe	riour tavie. State II	ich column number.				

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_	Yellow?	What will you do to achieve the	- What have you done?	
		outcome? (check all that apply)	- Is the outcome achieved?	
Outcome:		☐ Read your notes		
Valence electrons.		☐ Seek extra help		
		☐ Ask a friend		
		☐ Check your text/internet		
		☐ Sign up for a Peer tutor		
		☐ Make study notes		
Describe what a valence ele	ectron is, and how yo	u can find how many valence electr	ons an atom has.	
Outcome:		☐ Read your notes		
Physical & Chemical		☐ Seek extra help		
Properties.		☐ Ask a friend		
		☐ Check your text/internet		
		☐ Sign up for a Peer tutor		
		☐ Make study notes		
What are physical propert	ies? Give 5 examples	s of a physical property.		
What are chemical proper	ties? Give 2 example	s of a chemical property.		
Outcome:		☐ Read your notes		
Properties and location of		☐ Seek extra help		
Metals, Non-Metals, and		☐ Ask a friend		
Metalloids on the periodic		☐ Check your text/internet		
table.		☐ Sign up for a Peer tutor		
		☐ Make study notes		
Compare metals, non-meta	als and metalloids in	terms of the physical properties use	d in the previous outcome.	
State where each is found of	on the periodic table.			
Outcome:		☐ Read your notes		
Reactivity of the families		☐ Seek extra help		
on the periodic table to		☐ Ask a friend		
their atomic structure		☐ Check your text/internet		
(valence electrons)		☐ Sign up for a Peer tutor		
		☐ Make study notes		
List the 6 families of the pe	eriodic table, state the	eir reactivity and how many valence	e electrons they have	

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	Yellow?	What will you do to achieve the	- What have you done?	
		outcome? (check all that apply)	- Is the outcome achieved?	
Outcome:		☐ Read your notes		
Compare atoms, elements,		☐ Seek extra help		
compounds, and		☐ Ask a friend		
molecules.		☐ Check your text/internet		
		☐ Sign up for a Peer tutor		
		☐ Make study notes		
Define atoms, elements, con	mpounds, and molect	ules. Give 2 examples of each.		
	-	-		
Outcome:		☐ Read your notes		
Count the number of		☐ Seek extra help		
atoms in a molecule.		☐ Ask a friend		
		☐ Check your text/internet		
		☐ Sign up for a Peer tutor		
		☐ Make study notes		
Find the chemical formula	for 2 different comp	ounds and count the number of ator	ms of each element in each.	
	<b>F</b>			
Outcome:		☐ Read your notes		
Differences between		☐ Seek extra help		
physical and chemical		☐ Ask a friend		
changes. Include signs that		☐ Check your text/internet		
a chemical change has		☐ Sign up for a Peer tutor		
taken place.		☐ Make study notes		
	cal changes to chemi	cal changes give 2 examples of each		
Compare & contrast physi	car changes to enemi	car changes give 2 examples of each	•	
List 6 signs that tell you a c	hamical change has	takan nlaca		
List o signs that ten you a c	memicai change has	taken place.		
Outcome:		☐ Read your notes		
Everyday chemical		☐ Seek extra help		
		☐ Seek extra neip ☐ Ask a friend		
changes. (ex. Corrosion,				
photosynthesis,				
combustion, etc.)		☐ Sign up for a Peer tutor		
		☐ Make study notes		
Choose 1 everyday chemica	at change and give;			
a) the reaction:				
b) where the change occurs	<b>5:</b>			
	641 1 1 1 1			
c) positive/negative effects	of the chemical chan	ge:		