Outcome-Based Student Self Assessment

Student Name:	Cou	rse: Science 10F	Unit: Static Electricity
Outcomes & Examples	Green/Red/ Yellow?	Student's Action Plan What will you do to achieve outcome? (check all that app	Follow Upthe-What have you done?ly)-Is the outcome achieved?
Outcome: Models of static electricity. Include: One-Fluid, Two- Fluid, and Particle Models		Read your notes Seek extra help Ask a friend Check your text/inte Sign up for a Peer t Make study notes	ernet utor
Describe each of the models and	a name the scien	ust who came up with each.	
Outcome: Laws of attraction and repulsion.		 Read your notes Seek extra help Ask a friend Check your text/integer Sign up for a Peer t Make study notes 	ernet utor
List the three laws of attraction	and repulsion.	<u> </u>	
Outcome: Methods of charging. Friction		 Read your notes Seek extra help Ask a friend Check your text/integer Sign up for a Peer t Make study notes 	ernet utor
Describe, using diagrams how a	an object become	es charged by friction.	
Outcome: Methods of charging. Contact		 Read your notes Seek extra help Ask a friend Check your text/into Sign up for a Peer t Make study notes 	ernet utor
Describe, using diagrams how a	an object become	es charged by contact.	

Outcomes & Examples	Green/Red/	Student's Action Plan	Follow Up
Outcomes & Examples	Vellow?	What will you do to achieve the	-What have you done?
	I CHOW.	outcome? (check all that apply)	Is the outcome achieved?
Outcomo:		Pand your notas	-is the outcome achieved:
Mathods of charging		\square Kead your notes	
Induction		\square Ask a friend	
Induction		\Box Ask a menu	
		\Box Check your text/internet	
		\square Sign up for a reel tutor	
Describe and a discourse have			
Outcome:		□ Read your notes	
Detecting Charges using		□ Seek extra help	
electroscopes. Include		\Box Ask a friend	
movement of electrons.		□ Check your text/internet	
		\Box Sign up for a Peer tutor	
		☐ Make study notes	
Outcome:		□ Read your notes	
Applications of electrostatics.		□ Seek extra help	
Lightning & Lightning Rods		\Box Ask a friend	
		□ Check your text/internet	
		$\Box \text{Sign up for a Peer tutor}$	
		□ Make study notes	
Describe how lightning is forme	ed using diagran	is. Explain how a lightning rod woi	⁻ KS.
Outcome:		□ Read your notes	
Applications of electrostatics.		□ Seek extra help	
Electrostatic Precipitators,		\square Ask a triend	
Electrostatic Spraypainting		L Check your text/internet	
Photocopiers		\Box Sign up for a Peer tutor	
		☐ Make study notes	
Choose one of the applications	of electrostatics a	and describe how it works (use diag	rams wherever possible).

Outcomes & Examples	Green/Red/	Student's Action Plan	Follow Up		
-	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			
Electrophorus		□ Seek extra help			
		\Box Ask a friend			
		□ Check your text/internet			
		□ Sign up for a Peer tutor			
		□ Make study notes			
Explain, using diagrams, how an electrophorus, stores and transfers electric charge.					
	-	-			

Outcome-Based Student Self Assessment

Student Name:		Course: Science 10F	Unit: Current Electricity
Outcomes & Examples	Green/Red/	Student's Action Plan	Follow Up
	Yellow?	What will you do to achieve the	-What have you done?
		outcome? (check all that apply)	-Is the outcome achieved?
Outcome:		\Box Read your notes	
Define Current as the flow of		☐ Seek extra help	
electrons		\square Ask a triend	
		\Box Check your text/internet	
		□ Sign up for a Peer futor □ Make study potes	
Create an analogy to describe t	he concent of cu	rrent	
Outcome:		\Box Read your notes	
Q		□ Seek extra help	
Solve problems using $I = -\frac{t}{t}$		\Box Ask a friend	
L L L L L L L L L L L L L L L L L L L		\Box Check your text/internet	
		□ Sign up for a Peer tutor □ Make study potes	
Outcome: Define voltage as the amount of energy per charge. Create an analogy to describe t	he concept of vo	 Read your notes Seek extra help Ask a friend Check your text/internet Sign up for a Peer tutor Make study notes 	
Outcome:		□ Read your notes	
Solve problems using $V = \frac{E}{-}$		\square Ask a friend	
<i>q</i>		□ Check your text/internet	
-		\Box Sign up for a Peer tutor	
		□ Make study notes	
What is the energy in a 12 volt	that has 2 coulor	nbs of charge flowing.	

Outcomes & Evennles	Green/Red/	St	udent's Action P	an	Follow Un
Outcomes & Examples	Vollow?	What w	ill you do to achie	ve the	-What have you done?
	I CHOW :	outcom	a? (check all that a	ve the	Is the outcome achieved?
Outcomo			Pood your notes	ppry)	-is the outcome achieved:
Identify the five courses of			Seels extra helm		
identify the five sources of			Seek extra help		
electrical energy, and give an			Ask a friend		
example of each.			Check your text/1	nternet	
			Sign up for a Pee	r tutor	
			Make study notes	5	
Identify the five sources of elec	trical energy, an	d give an	example of each.		
Outcome:			Read your notes		
Describe resistance using the			Seek extra help		
particle model of electricity			Ask a friend		
			Check your text/i	nternet	
			Sign up for a Pee	r tutor	
			Make study notes		
Create an analogy to describe t	he concent of re	 sistance	mane study notes	,	
Create an analogy to describe t	ne concept of re,	sistance.			
					[
Outcome:			Read your notes		
Draw the symbols for the parts			Seek extra help		
of a schematic circuit diagram.			Ask a friend		
			Check your text/i	nternet	
			Sign up for a Pee	r tutor	
			Make study notes	5	
Draw the symbols for the parts of	f a schematic circ	uit diagra	m (cell. battery, sy	witch, bulb	. resistor. ammeter.
voltmeter)		0	(,	, ,	, , ,
			D 1		[
Outcome:			Read your notes		
Differentiate between a series			Seek extra help		
and parallel circuit.			Ask a friend		
			Check your text/i	nternet	
			Sign up for a Pee	r tutor	
			Make study notes	5	
Compare and contrast parallel	and series circu	its.			
Series (Differences)		Simila	rity	Pa	arallel (Differences)
			*		
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Outcomes & Examples	Green/Red/	St	tudent's Action Plan	Follow Up
	Yellow?	What will you do to achieve the		-What have you done?
		outcom	e? (check all that apply)	-Is the outcome achieved?
Outcome:			Read your notes	
Draw a schematic diagram of			Seek extra help	
a series and parallel circuit.			Ask a friend	
-			Check your text/internet	
			Sign up for a Peer tutor	
			Make study notes	
Use 2 cells, 4 resistors, and a sy	witch to draw:			
a) A series circuit		b)	parallel Circuit	
Outcome:			Read your notes	
Explain how ammeters and			Seek extra help	
voltmeters are wired in a			Ask a friend	
circuit to measure current and			Check your text/internet	
voltage			Sign up for a Peer tutor	
			Make study notes	
In your previous circuits, draw voltmeter measuring Vdrop. Outcome: Compare voltage and current in series and parallel circuits. If the current is the same every	an ammeter me	asuring t	he total current, a voltmeto Read your notes Seek extra help Ask a friend Check your text/internet Sign up for a Peer tutor Make study notes (parallel/se	er measuring Vrise, and a
in each branch adds up to the t	otal current it is	a	(parallel/series)	circuit. If the voltage is
the same in every resistor. it is	a	(paral	lel/series) circuit. if the vol	tage in each resistor adds
up to the voltage in the battery	, it is a	(1	parallel/series) circuit.	
			Read your notes	
Solve problems using Ohm's			Sook avtra help	
I aw			Ask a friend	
			Check your text/internet	
			Sign up for a Peer tutor	
			Make study notes	
If a circuit has a resistance of 2	8 Ohms, and a vo	ltage of	12 Volts, find the current in	n the circuit.

Outcomes & Examples	Green/Red/	Student's Action Plan	Follow Up
	Yellow?	What will you do to achieve the	-What have you done?
		outcome? (check all that apply)	-Is the outcome achieved?
Outcome:		\Box Read your notes	
List the major components		□ Seek extra help	
used in household wiring.		\Box Ask a friend	
		□ Check your text/internet	
		□ Sign up for a Peer futor	
Define/Describe the following:			
a) Fuse			
b) Cicuit Breaker			
c) Black Wire			
d) White Wire			
e) Ground Wire			
f) Polarized Plugs			
g) Polarized Outlets			
h) GFI's			
Outcome:		□ Read your notes	
Define power as energy per		\Box Seek extra help	
unit time, and solve problems		\Box Ask a friend	
using P=E/t and P=IV		□ Check your text/internet	
		□ Sign up for a Peer tutor	
		□ Make study notes	
If a PSP uses 1000 Joules of en	ergy if it is on fo	r 2 minutes, find the power rating o	f the PSP.
Outcome:		□ Read your notes	
Read a Hydro Meter		□ Seek extra help	
		\Box Ask a friend	
		□ Check your text/internet	
		□ Sign up for a Peer futor □ Make study potes	
Paste Hydro Meter here!			L
Outcome:		□ Read your notes	
Solve problems involving cost		□ Seek extra help	
of electricity.		\square Ask a friend	
		□ Check your text/internet	
		□ Sign up for a Peer tutor	
A home thester system uses 150	00 W of now or	If you watch a movie for 00minutes	how much will it cost if
electricity costs 6 cents/kWh?	oo w or power.	n you waten a movie ior pommutes,	now much will it cost if