

## UGANDA NATIONAL EXAMINATIONS BOARD CONTINUOUS ASSESSMENT OBSERVATION CHECKLIST

## 545 CHEMISTRY

## Senior 3, Term 3

Centre/CA No:	Year:
Learner's Name:	Learner ID:
<ul> <li>end of this term.</li> <li>2. Please tick against the indicator(s</li> <li>3. Record the number of indicators level for Subject Competency (SC</li> </ul>	s one competency, which must be assessed by the  the learner has exhibited at every level assessed.  observed in the boxes provided at the end of each and Generic Skill (GS).  the been assessed for a particular level(s).
Theme: Topic: Learning Outcome(s):	Fuel and energy. Chemical reaction rates. 1. Understand and appreciate that chemical reactions take place at different rates. 2. Understand the effect of various factors on the rate of chemical reactions and recognise that many reactions are reversible.
Subject Competency (SC):  Generic Skill (GS):	Carries out investigation on the effect of external conditions on the rate of reactions. Critical thinking and problem-solving skills.
Learning Domain:	Psychomotor.  vel 1: Imitation
Subject Competency (SC): Imitating	the teacher/peer/video clip/laboratory vestigation on the effect of external conditions
☐ States and writes the experiment's a☐ Identifies the independent variable,	aim/purpose using relevant/keywords.

☐ Identifies the dependent variable, correctly.

	Identifies the controlled variable correctly.	
	States and writes the experiment's hypothesis, using relevant/keywords.	
	Lists all the relevant apparatus/materials required for the experiment.	
	Writes the procedure of carrying out the experiment coherently/logically.	
	Identifies and writes the risk(s)/error(s)/source(s) of error(s) in the experiment to be carried out.	<u>,</u>
	States and writes the precaution(s)/mitigation(s) to the identified error(s).	
	Carries out the experiment following the stated procedure.	
	Presents/records data in a logical format.	
	Records data accurately/within error limit/margin.	
	Carries out data analysis using appropriate methods.	
	Interprets data correctly.	
	Draws an appropriate conclusion based on the interpretation made.	
	eneric Skill (GS): Imitating the teacher/peer/video clip/laboratory technician, c., exhibiting critical thinking and problem-solving skills, the learner:	
	Plans and carries out investigations on the effect of external conditions on the rate reactions.	O
	Sorts and analyses information on the effect of external conditions on the rate of reactions.	
	Identifies problems and ways forward concerning the effect of external conditions of the rate of reactions.	n
	Predicts outcomes and makes reasonable decisions concerning the effect of externa conditions on the rate of reactions.	1
	Evaluates different solutions concerning the effect of external conditions on the rate reactions.	9
	Level 1 Indicator	
	SC GS	
	I amal O. Waninglatian	
	Level 2: Manipulation	
cl	bject Competency (SC): Following instructions from the teacher/peer/video p/laboratory technician, etc., to carry out an investigation on the effect of ternal conditions on the rate of reaction, the learner:	
	States and writes the experiment's aim/purpose using relevant/keywords.	
	Identifies the independent variable, correctly.	
	Identifies the dependent variable, correctly.	
	Identifies the controlled variable correctly.	

☐ States and writes the experiment's hypoth			
<ul><li>□ Lists all the relevant apparatus/materials</li><li>□ Writes the procedure of carrying out the e</li></ul>	_		
☐ Identifies and writes the risk(s)/error(s)/s	_		ent to be
carried out.	0 41 00(0) 01 01 01 (0) 111 011	, eb e	
$\hfill \square$ States and writes the precaution(s)/mitigation	` '	error(s).	
☐ Carries out the experiment following the s	tated procedure.		
<ul><li>□ Presents/records data in a logical format.</li><li>□ Records data accurately/within error limi</li></ul>	t/margin		
☐ Carries out data analysis using appropria	,		
☐ Interprets data correctly.			
$\hfill\Box$ Draws an appropriate conclusion based of	n the interpretation mad	ie.	
Generic Skill (GS): Following instructions	- <del>-</del>	=	
clip/laboratory technician, etc., to exhibit	t critical thinking and	problem-	-solving
skills, the learner:			
□ Plans and carries out investigations on th reactions.	e effect of external cond	itions on t	the rate of
□ Sorts and analyses information on the efference reactions.	ect of external condition	s on the ra	ate of
☐ Identifies problems and ways forward con the rate of reactions.	cerning the effect of exte	ernal cond	itions on
☐ Predicts outcomes and makes reasonable conditions on the rate of reactions.	decisions concerning th	e effect of	external
☐ Evaluates different solutions concerning t reactions.	he effect of external con	ditions on	the rate o
	[-	Level 2 In	dicators
		sc	GS
	L		
Level 3:	Precision		
Subject Competency (SC): Carrying out ar	investigation on the	effect of c	external
conditions on the rate of reaction, independent learner:	_		
☐ States and writes the experiment's aim/pr	urpose using relevant/k	evwords	
☐ Identifies the independent variable, correct	- ,	- 5 - 1 - 2 - 4 - 5 - 1	
☐ Identifies the dependent variable, correctly	y.		
☐ Identifies the controlled variable correctly			

	States and writes the experiment's hypothesis, using relevant/keywork Lists all the relevant apparatus/materials required for the experiment Writes the procedure of carrying out the experiment coherently/logical Identifies and writes the risk(s)/error(s)/source(s) of error(s) in the excarried out.  States and writes the precaution(s)/mitigation(s) to the identified error Carries out the experiment following the stated procedure.	t. ally. perime	ent to be
	Presents/records data in a logical format. Records data accurately/within error limit/margin. Carries out data analysis using appropriate methods. Interprets data correctly. Draws an appropriate conclusion based on the interpretation made.		
in	eneric Skill (GS): Exhibiting critical thinking and problem-solving adependently while investigating the effect of external conditions eaction, the learner:		
		the rail cond	ate of itions on external
	Level 4: Articulation		
	ubject Competency (SC): Carrying out an investigation on the effeonditions on the rate of reaction correctly and innovatively, the l		
	States and writes the experiment's aim/purpose using relevant/keyw Identifies the independent variable, correctly.  Identifies the dependent variable, correctly.  Identifies the controlled variable correctly.  States and writes the experiment's hypothesis, using relevant/keywork.		

	Lists all the relevant apparatus/materials required for the experiment writes the procedure of carrying out the experiment coherently/Identifies and writes the risk(s)/error(s)/source(s) of error(s) in the carried out.	logically.	ent to be
	States and writes the precaution(s)/mitigation(s) to the identified Carries out the experiment following the stated procedure. Presents/records data in a logical format. Records data accurately/within error limit/margin. Carries out data analysis using appropriate methods. Interprets data correctly.	l error(s).	
	Draws an appropriate conclusion based on the interpretation ma	ade.	
a	eneric Skill (GS): Exhibiting critical thinking and problem-sol ccurately & innovatively while investigating on the effect of e n the rate of reaction, the learner:	_	
	Plans and carries out investigations on the effect of external conditions on the rate of reactions.		
	Sorts and analyses information on the effect of external condition reactions.	ns on the ra	ate of
	Identifies problems and ways forward concerning the effect of extended the rate of reactions.	ternal cond	litions on
	Predicts outcomes and makes reasonable decisions concerning t conditions on the rate of reactions.	he effect of	external
	Evaluates different solutions concerning the effect of external correactions.	nditions on	the rate o
		Level 4 Ir	dicators
		SC	GS
	Level 5: Naturalisation		
	ubject Competency (SC): Carrying out an investigation on the onditions on the rate of reaction, with ease, the learner:	e effect of	external
	States and writes the experiment's aim/purpose using relevant/s. Identifies the independent variable, correctly. Identifies the dependent variable, correctly. Identifies the controlled variable correctly. States and writes the experiment's hypothesis, using relevant/ket Lists all the relevant apparatus/materials required for the experiment.	eywords.	

writes the procedure of carrying out the experiment confrontly/logically.
☐ Identifies and writes the risk(s)/error(s)/source(s) of error(s) in the experiment to be carried out.
☐ States and writes the precaution(s)/mitigation(s) to the identified error(s).
☐ Carries out the experiment following the stated procedure.
☐ Presents/records data in a logical format.
☐ Records data accurately/within error limit/margin.
☐ Carries out data analysis using appropriate methods.
□ Interprets data correctly.
☐ Draws an appropriate conclusion based on the interpretation made.
Generic Skill (GS): Exhibiting critical thinking and problem-solving skills while investigating on the effect of external conditions on the rate of reaction with ease, the learner:
the learner.
☐ Plans and carries out investigations on the effect of external conditions on the rate of reactions.
□ Plans and carries out investigations on the effect of external conditions on the rate of
<ul> <li>□ Plans and carries out investigations on the effect of external conditions on the rate of reactions.</li> <li>□ Sorts and analyses information on the effect of external conditions on the rate of</li> </ul>
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<ul> <li>□ Plans and carries out investigations on the effect of external conditions on the rate of reactions.</li> <li>□ Sorts and analyses information on the effect of external conditions on the rate of reactions.</li> <li>□ Identifies problems and ways forward concerning the effect of external conditions on the rate of reactions.</li> <li>□ Predicts outcomes and makes reasonable decisions concerning the effect of external</li> </ul>

Level 5 Indicators	
SC	GS