

Revision Work Sheet

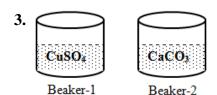
Science (Chapter-08: Chemical Reaction) Subject Teacher: Sanjib Kumar Pal

> Date: 23-08-2020 Class: VIII

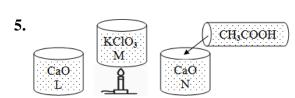
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Creative Questions

- 1. The science teacher has said to write the chemical reaction. At that time Sakib wrote the following two equations.
 - (i) Fe + S \rightarrow FeS
 - (ii) FeS \rightarrow Fe + S
 - a) What is symbol? 1
 - 2 b) What do you mean by the formula of water is H₂O?
 - c) Explain the rules of the matter written by Sakib. 3 d) "Though the same elements and compounds are present in two equations written by Sakib, the
 - equations are not same type."—Analyze it.
- $\xrightarrow{\text{Heat}}$ KCl + O₂ KClO₃
 - a) What is formula? 1
 - b) All synthesizing reactions are addition reaction but all addition reactions are not synthesizing reaction.—Explain. 2
 - c) What type of reaction is the above reaction?—Explain. 3
 - d) Show that the number of atoms of above equation is equal before reaction and after reaction.



- a) What is valency?
- 2 b) What do you mean by chemical equation?
- 3 c) Explain the reaction after adding iron powder into the beaker-1.
- d) What will be happened after running the gas that is produced by heating the compound of beaker-2 through lime water?
- 4. (i) $NH_3 + HCl \rightarrow$
 - (ii) CaO + H₂O \rightarrow
 - (iii) Fe + CuSO₄ \rightarrow
 - a) What is radical? 1
 - 2 b) Why is NaCl electrolyte? Explain.
 - c) Describe what kind of chemical reaction the number (i) reaction is. 3
 - d) The reactions of number (ii) and (iii) are of different kinds.—Analyze.



a) What is dry cell?

4

4

1

	ii. bright flame			iii.	will run if H ₂ SO ₄ is	use	ed instead of 'X'
	iii. pungent smell			Which one of the following is correct?			
	Which one of the follo	wing is correct?		a)	i and ii	<i>b</i>)	i and iii
	<i>a</i>) i	b) ii		c)	ii and iii	d)	i, ii and iii
	c) i and iii	d) ii and iii	35.	. Wł	nat is the colour of F	eS(O_4 ?
25	$C_{3}CO_{2} \xrightarrow{\Delta} C_{3}O + CO_{4}$	2. What type of reaction		a)	Red	<i>b</i>)	Blue
25.	is it?	2. What type of feaction		c)	Green	d)	Light green
		b) Substitution	36.	. By	heating of which	ı sı	ubstance is oxygen
	c) Neutralization	· ·			duced in laboratory		
26	What is the colour of f	<u> </u>		<i>a</i>)	KClO ₃	<i>b</i>)	$CuSO_4$
∠ 0.		b) Brown		,	CaCO ₃		CuCO ₃
	a) Red		37.	,	nat is the formula of	,	
27	c) Deep gray	· · · · · · · · · · · · · · · · · · ·			CaO		CaCO ₃
21.	The gases that give put	ngent smen—		,	CuCO ₃	,	Ca(OH) ₂
	i. SO ₂		38.	,	tting of CO ₂ is possi		
	ii. CO ₂				$KClO_3 \xrightarrow{\Delta}$		
	iii. NH ₃	• • •		a)	$KCIO_3 \rightarrow$		
	Which one of the follo	_		<i>b</i>)	$CuCO_3 \xrightarrow{\Sigma}$		
	a) i and ii	b) i and iii		c)	$CaO + H_2O \rightarrow$		
	<i>'</i>	d) i, ii and iii		d)	$CaO + CH_3COOH$	\rightarrow	
	From the stem below, answer question nos. 28		39.	. Wł	nat is the formula of	slal	ked lime?
	and 29.			a)	CaO	<i>b</i>)	CaCO ₃
	$NH_3 + HCl \rightarrow 'X'$			c)	Ca(OH) ₂	d)	CuCO ₃
28.	How many atoms are t		40.	. Wł	nat is the formula of	qui	ck lime?
	a) 2	b) 4			CaO	7	CaCl ₂
	c) 6	d) 8		c)	Ca(OH) ₂	d)	CaCO ₃
29.	'X' in the above reaction		41.	. Wl	nich set of numbers	is	used to balance the
	<i>i</i> . is ammonium chloric				lowing reaction?		
	ii. is produced by additional add				$ClO_3 \xrightarrow{\Delta} KCl + O_2$		
	iii. is produced by com					<i>L</i>)	2 1 2
	Which one of the follo	<u> </u>					2, 1, 2
	a) i and ii	b) i and iii			2, 2, 1		
	c) ii and iii	d) i, ii and iii				ansv	wer question nos. 42
30.	Which one is add	ition and combustion			1 43.		
	reaction?			Ca	$CO_3 \xrightarrow{\Delta} CaO + 'A'$		
	a) Fe + S \rightarrow FeS		42.	. Wł	nat will be 'A' marke	d co	ompound?
	$b)$ Zn + S \rightarrow ZnS			a)	O_2	<i>b</i>)	Ca
	c) $Mg + O_2 \rightarrow MgO$			c)	CO	d)	CO_2
	d) $NH_3 + HCl \rightarrow NH_2$	₄ Cl	43.	. If '.	A' is run through Ca	IO).	H_{2} —
31.	Burning of magnesium	r creates—		i. F	H ₂ O is produced		
	i. ashes			ii.	CaCO ₃ is produced		
ii. blue flameiii. bright flame			iii. Ca(OH) ₂ turns into opaque				
				Wł	nich one of the follo	win	g is correct?
	Which one of the follo	wing is correct?		a)	i and ii	<i>b</i>)	i and iii
	a) i and ii	b) i and iii		c)	ii and iii	d)	i, ii and iii
	c) ii and iii	d) i, ii and iii	44.	. Wł	nat is the formula of	bak	king soda?
32.	What is not produced v	when a candle is burnt?		a)	NaOH	<i>b</i>)	Na ₂ CO ₃
	a) H ₂ O	b) SO ₂		c)	NaHCO ₃	d)	NH_4HCO_3
	c) CO ₂	d) Heat and light	45.	. Wł	nat is the formula of	citr	ric acid?
	*	answer question nos. 33			CH_2O_2		$C_6H_8O_7$
	and 34.	1			C ₆ H ₅ OH		CH ₃ COOH
	$Fe + 'X' \rightarrow FeSO_4 + C'$	u	46.	,	nen lemon juice is ac		
33.	What is the colour of 'Z		-		H ₂ O is produced		<i>3</i>
•	a) Red	b) Blue			CO ₂ is produced		
	c) Green	d) Light green			Na ₃ C ₆ H ₅ O ₇ is produ	acea	d
34	The reaction mentione	,			nich one of the follow		
	<i>i.</i> is a displacement rea				i and ii		i and iii
	ii. will run if Zn is used				ii and iii	,	i, ii and iii
				,		/	•

- 47. When potassium chlorate is heated, it produces
 - i. water
 - ii. oxygen
 - iii. potassium chloride

Which one of the following is correct?

- a) i and ii
- b) i and iii
- c) ii and iii
- d) i, ii and iii
- 48. What is the formula of acetic acid or vinegar?
 - a) CH₂O₂
- b) C₆H₈O₇
- c) C₆H₅OH
- d) CH₃COOH
- 49. What is the formula of calcium acetate?
 - a) CaCH₂O₂
- b) $Ca(C_6H_8O_7)_2$
- c) $Ca_3(C_6H_5O_7)_2$
- d) (CH₃COO)₂Ca
- 50. Lime + Acetic acid → Calcium acetate + Water. What type of reaction is it?
 - a) Addition
- b) Substitution
- c) Neutralization
- d) Decomposition
- 51. Products of which reaction are salt and water?
 - a) KClO₃ $\stackrel{\triangle}{\rightarrow}$
 - b) $Mg + O_2 \rightarrow$
 - c) $CaO + CO_2 \rightarrow$
 - d) CaO + CH₃COOH \rightarrow
- 52. In which reaction is huge amount of heat energy produced?
 - a) Fe + S \rightarrow FeS
 - b) $KClO_3 \xrightarrow{\Delta} KCl + O_2$
 - c) $CaO + CO_2 \rightarrow CaCO_3$

- d) $CaO + H_2O \rightarrow Ca(OH)_2$
- 53. In a dry cell
 - i. zinc container is anode
 - ii. carbon rod with metal cap is cathode
 - *iii.* chemical energy is converted into electrical energy

Which one of the following is correct?

- a) i and ii
- b) i and iii
- c) ii and iii
- d) i, ii and iii
- 54. What is absent in dry cell?
 - *a*) C
- b) H₂O
- c) MnO₂
- d) NH₄Cl
- 55. What is the colour of Sodium?
 - a) Blue
- b) Grey
- c) White
- d) Brown
- 56. In the electrolysis of NaCl
 - i. Cl⁻ goes to the anode
 - ii. Na⁺ goes to the cathode
 - iii. Cl⁻ donates electron to cathode

Which one of the following is correct?

- a) i and ii
- b) i and iii
- c) ii and iii
- d) i, ii and iii
- 57. Na + H₂O \rightarrow NaOH + 'Y'. What is 'Y'?
 - a) H
- *b*) O
- c) H_2
- d) O_2
- 58. Which one is non electrolyte?
 - a) HCl
- b) NaCl
- c) CuSO₄
- d) C₆H₁₂O₆