KERALA PUBLIC SCHOOLS ACADEMIC YEAR 2020-21 HOME ASSIGNMENT (13-07-2020 to 18-07-2020)



CLASS	SUBJECT	CHAPTER		TOPIC		WEBLINK
VII	СНЕМ	Ch - 4: Language of Chemistry	1. Formulate in language of chemistry and balance the following:-		Read your book	
			a) When Magnesium Nitride reacts with water to give Magnesium hydroxide and Ammonia.			and check "language of chemistry"
			b) When Calcium Hydroxide reacts with Carbon dioxide it gives Calcium carbonate and			
		and Balancing	water			
		Chemical	c) When Magnesium bicarbon	nate reacts with Calci	ium carbide to give Magnesium carbonate,	,
		Equations	Calcium carbonate and Water	·.		
			d) Magnesium reacts with An	nmonium Chloride to	give Magnesium chloride, Ammonia and	
			Hydrogen.			
			e) Barium Carbonate reacts w	rith steam of Water to	give Barium Hydroxide and Carbon	
			dioxide.			
			2. Balance the following Ch	emical equations:		
			a) CaO + C		CaC ₂ + CO	
			b) Mg + O ₂	>	MgO	
			c) Cr ₂ O ₃ + Al		$Al_2O_3 + Cr$	
			d) Mn ₃ O ₄ + Al	──	$Al_2O_3 + Mn$	
			e) B ₂ O ₃ + Al	→	$Al_2O_3 + B$	
			Note: The last three rea	actions are examples	of Aluminium acting as reducing agent	
			f) AlCl ₃ + NH ₄ OH		\rightarrow Al(OH) ₃ + NH ₄ Cl	
			g) Al(OH) ₃ + NaOH		\rightarrow NaAlO ₂ + H ₂ O	
			h) Al(OH) ₃ + HCl		\rightarrow AlCl ₃ + H ₂ O	
			i) Al(OH) ₃ +NaOH + H	0	\rightarrow Na Al(OH) ₄ + H ₂	

3. Name the following compounds:		
1 Al ₂ O ₃		
2 CaC ₂		
3 Mn ₃ O ₄		
4 B ₂ O ₃		
5 NaAlO ₂		
6 NH ₄ OH		
7 NH ₄ Cl		
8 Cr ₂ O ₃		
9 MgO		

Plakshmi DIRECTOR ACADEMICS