Rise CHEMISTRY

1.	Crystalline form in which, litharge usually exist are:										
	a. Monoclinic and Tetragonal			b.	Cubic and hexagonal						
	c. Rhombic and Tetragonal				Triclinic and Orthorhombic						
2.	Sodium silica	te is a salt o	f								
	a. H ₂ SiO	₃ b.	$HSiO_3$	c.	SiO_2		d.	H_2M_5	g ₃ (SiO ₃)4	
3.			solution of bor		_	vith conc. H2		•		,	
	are produced						, ,				
	a. HBO ₂	b.	H_3BO_3	c.	H_2B_4	O_7	d.	H_6B_4	O_9		
4.	-		d zircon are th					0 4	- /		
	a. C	b.	Si	C.	Al		d.	Fe			
5.			e thermite pro			its activity?					
•	a. Iron	b.	Copper	C.		inium	d.	Zinc			
6.	Chemical con		* *	٠.	111411		ч.	Ziii¢			
0.		O ₁₁ . 5H ₂ O	colemanie is	b.	CaB ₄	O_7 4 H_2 O					
		0 ₇ . 4H ₂ O		d.		$O_9 8H_2O$					
7.			ion with charge		Cubs	09.01120					
, •	a. Be	b.	Al	c.	C		d.	Si			
8.	Tincal is a mi		111	٠.	C		ч.	51			
0.	a. Al	b.	В	c.	Si		d.	C			
9.			d in dried up la			d California		C			
).	a. Tincal		Boric acid	incs of	C.	Calcium ca			d.	All	
10.			ration correspo	nds to					•		
	a. $1S^2$, 2	S^2 , $2P^3$	- W-1011 - C-11 - C-1	711015 00	b.	$1S^2, 2S^2, 2S^2$	$2P^6$ $3S^2$	$3P^1$			
	c. $1S^2, 2$	$S^{2}, 2P^{4}$			d.	$1S^2, 2S^2, 2S^2$	$2P^{6}, 3S^{2},$	$3P^3$			
11.	· ·) , one silicon a	tom is					ns of ox	vygen.	
	a. 4	b.	2		C.	1		d.	6	-, 8	
12.			soluble in water	r at 40°			at 10				
	a. 26%	b.	27%		c.	37%		d.	< 2.6	%	
13.			gh molecular m	ass is l		27,70				, 0	
	a. Plaster			C.	Glass		d.	Rubb	er		
14.	H ₃ BO ₃ is				0 -0.00		-				
,		Metaboric acid b. Pyroboric acid c. Orthoboric acid						d. Tetraboric acid			
15.	Gibbsite cont		•	•			<i>on</i> = 0				
	a. 6	b.	2	c.	5		d.	3			
16.			d distance in CO								
	a. 120pm		115pm	c.	110pi	m	d.	105pi	m		
17.	1		wash due to its		1		-	- v- P			
	a. Weakly acidic property			b.	Antiseptic nature						
	c. Antibiotic nature				Weakly basic properties						
18.			silicon is hybri	d. idized	., .	,					
	a. Sp^3	b.	Sp^2	C.	Sp		d.	dsp^3			
19.	-		ng is not a chara		-	erty of carbo		I			
- •	a. Catenation				b. Multiple bond formation						
					Hardest allotrope						
20.	Corundum is	-	8	d.							
	a. Al_2O_3	b.	Na_3AlF_6	c.	quart	Z	d.	Calci	um		
	2 - 3		.5 - 0		1						

21.		stors, silicon		d as ni - conducto	r	c. Bac	d conductor	d.	Insulat	or
22.	_			ns in one mo						
	a. 22		b.	44	orceare of	C.	66	d.	88	
23.				ned by heati	ng nlum					
		o_2O	b.	CO_2	8 r	c.	СО	d.	Pb ₃ O ₄	
24.	In which substance silicon is not present									
		alc	b.	Asbestos		c.	Dolomite	d.	Zircon	
25.	Metallic character from left to right is periodic table									
		creases	b.				mains constant	d.	None o	of them
26.	Pentahyo	drate borax	separat	tes out when	heated a	at				
	a. A	bove 62°C	b.	Below 62°C		c.	Below52°C	d.	None o	of them
27.	Boric aci	d can be tit	rated is	the presenc	e of glyc	erine ag	gainst standard	d alkali	using	
				Phenolphtha			Borax	d.		of them
28.	Which m			ove air bubb			metal			
	a. B		b.	Al		c.	Ga	d.	In	
29.	Cooled li	quid silica i	s called	[
	a. Vitreo	us silica	b.	Amethyst qu	uartz	c.	Fused quartz	d.	None o	of them
30.	The stab	le yellow mo	odificat	ion of lead c	hromate	is	_			
	a. M	lonoclinic	b.	Triclinic		c.	Cubic	d.	Trigonal	
31.	Boron is	non – meta	l where	as Al is meta	al, it is di	ie to				
	a. Si	mall size	b.	High nuclea	r charge	c. Bot	tha&b d. N	o autho	rized jus	stification ye
32.	Boron in	soil has bee	en consi	idered essent	tial speci	ally for				
	a. Soil porocity b. Proper growth of plants c. Alkalinity of soil d. All									
33.	One of the outstanding feature of boron is its ability to form									
	a. Molecular addition compounds				b. Molecular crystals					
	c. Semi conductors					d.	All			
34.	Which of	f the followi	ng is no	ot a use of sil	licon?					
	a. Li	ubricants	b.	Hydranlic b	rakes	c.	Antifreeze	d.	Water	repellent
35.	Litharge is chemically									
	a. Pl	OC	b.	PbO_2	c.	Pb ₃ O ₄		d.	Pb (CF	$H_3COO)_2$
36.	Which a	re correct o	xidatior	n states for l	ead?					
	a. +	1, +2	b.	+3, +5	c.	+2, +4		d.	+4 onl	y
37.	Which or	ne of the fol	lowing	is ore of bor	on					
	a. G	alena	b.	Cinnabar	c.	Emera	.ld	d.	Colem	anite
38.	Which one of the following reactions of Al with different substances is used in photo flash?									
	a. 21	$41 + 3H_2$ -		→ 2AlF	\mathcal{I}_3	b.	$4A1 + 3O_2$		>	$2Al_2O_3$
	c. 2 <i>i</i>	$41 + N_2$ -		→ 2AlN	1	d.	$2Al + Cl_2$			2AlCl ₃
39.	A solution of borax in water is									
	a. A	cidic	b.	Alkaline		c.	Neutral	d.	Non of	fthese
40.	Orthoboric acid on strong heating to red heat gives									
		orax	b.	Boron oxide	_		etaboric acid	d.	Tetrab	oric acid

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