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1 elements block about Worksheet الملف

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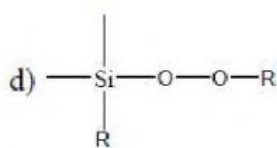
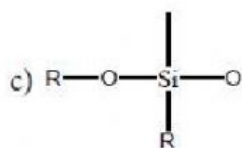
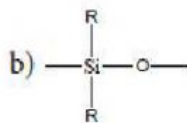
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9. The basic structural unit of silicates is (NEET)

- a) $(\text{SiO}_3)^{2-}$ b) $(\text{SiO}_4)^{2-}$ c) $(\text{SiO})^-$ d) $(\text{SiO}_4)^{4-}$

10. The repeating unit in silicone is



11. Which of these is not a monomer for a high molecular mass silicone polymer?

- a) Me_3SiCl b) PhSiCl_3 c) MeSiCl_3 d) Me_2SiCl_2

12. Which of the following is not sp^2 hybridised?

- a) Graphite b) graphene c) Fullerene d) dry ice

13. The geometry at which carbon atom in diamond are bonded to each other is

- a) Tetrahedral b) hexagonal c) Octahedral d) none of these

14. Which of the following statements is not correct?

- a) Beryl is a cyclic silicate
 b) Mg_2SiO_4 is an orthosilicate
 c) SiO_4^{4-} is the basic structural unit of silicates
 d) Feldspar is not aluminosilicate

15. Match items in column - I with the items of column - II and assign the correct code.

Column-I		Column-II	
A	Borazole	1	$\text{B}(\text{OH})_3$
B	Boric acid	2	$\text{B}_3\text{N}_3\text{H}_6$
C	Quartz	3	$\text{Na}_2[\text{B}_4\text{O}_5(\text{OH})_4] \cdot 8\text{H}_2\text{O}$
D	Borax	4	SiO_2

	A	B	C	D
(a)	2	1	4	3
(b)	1	2	4	3
(c)	1	2	4	3
(d)	None of these			

16. Duralumin is an alloy of

- a) Cu, Mn b) Cu, Al, Mg c) Al, Mn d) Al, Cu, Mn, Mg

17. The compound that is used in nuclear reactors as protective shields and control rods is

- a) Metal borides b) metal oxides c) Metal carbonates d) metal carbide

18. The stability of +1 oxidation state increases in the sequence

- a) $\text{Al} < \text{Ga} < \text{In} < \text{Tl}$ b) $\text{Tl} < \text{In} < \text{Ga} < \text{Al}$
c) $\text{In} < \text{Tl} < \text{Ga} < \text{Al}$ d) $\text{Ga} < \text{In} < \text{Al} < \text{Tl}$