

Date Planned : / /	Daily Tutorial Sheet-1	Expected Duration : 90 Min	
Actual Date of Attempt : / /	JEE Advanced Archive	Exact Duration :	

1.	Carbon acts as an abrasive and also as a lubricant, explain.	(1981)

2. Moderate electrical conductivity is shown by : (1982)

(A) silica (B) graphite (C) diamond (D) None of the above

3. Give reason for the following in one or two sentences: (1983)"Solid carbon dioxide is known as dry ice."

4. Carbon tetrachloride burns in air when lighted to give phosgene gas.

(1983)

5. Give reasons for the following in one or two sentences: (1985)

"Graphite is used as a solid lubricant"

6. Graphite is a better lubricant on the moon than on the earth. (T/F) (1987)

7. All the Al – Cl bond in Al_2Cl_6 are equivalent. (T/F)

(1989)

8. Each entry in column X is in some way related to the entries in columns Y and Z. Match the appropriate entries. (1989)

X		Y		Z	
1	Yeast	a	Fermentation	p	Ethanol
2	Mica	b	Graphite	q	Abrasive
3	Superphosphate	С	Crystallin	r	Insulator
4	Carbon fibres	d	Layer structure	s	Fertiliser
5	Rock salt	е	Diamond	t	Reinforced plastics
6	Carborundum	f	Bone ash	u	Preservative

9.	Write the balanced ed	mation for the r	orenaration of cr	vstalline silicon from	SiCL	(1990)
J .	With the balancea ce	fuacion for the p	or cparation or cr	youmne omcon nom	oicia.	(1000)

10. The hydrolysis of alkyl substituted chlorosilanes gives _____. (1991)

11. The tendency for catenation is much higher for C than for Si. (T/F) (1993)

12. The basic nature of hydroxide of group 13 (group III A) decreases progressively down the group.

The recently discovered allotrope of carbon (e. g C_{60}) is commonly known as _____.

(T/F) (1993)

13. Diamond is harder than graphite. (T/F) (1993)

15. The hydrolysis of trialkyl chlorosilane R_3 SiCl, yields _____. (1994)

14.

(1994)