

DPP

DAILY PRACTICE PROBLEMS

Class : XIIth

Date :

Solutio

Subject : CHEMISTRY

DPP No. : 1

Topic :- Isolation Elements

- 1 (d)
Calcination involves decomposition of ore to remove volatile impurities.
- 2 (a)
 $\text{FeO} + \text{SiO}_2 \rightarrow \text{FeSiO}_3$ (Fusible slag)
 $\text{Cu}_2\text{O} + \text{FeS} \rightarrow \text{Cu}_2\text{S} + \text{FeO}$
Slag is removed from the slag hole while a molten mass containing mostly cuprous sulphide with a little ferrous sulphide called matte.
- 3 (b)
Mond's process is used for the purification of Ni.
- 4 (c)
It is a fact.
- 5 (b)
Bauxite ($\text{Al}_2\text{O}_3 \cdot 2\text{H}_2\text{O}$)
Corundum (Al_2O_3)
Diaspore ($\text{Al}_2\text{O}_3 \cdot \text{H}_2\text{O}$)
- 6 (b)
Extraction of less electropositive metals say Cr, Mn, Cu, Ca, Ni, etc., can be done by heating their oxides with strong reducing agents, e.g., CO, CO + H + Na, Al, Mg, etc.
- 7 (a)
Lead extracted from argentiferrous galena contains small quantities of silver. Recovery of silver from argentiferrous lead is an economical proposition and is carried out by Parke's process.
- 8 (b)
Oxygen family is known as chalcogens.
- 9 (a)
Apatite is $\text{CaF}_2 \cdot 3\text{Ca}_3(\text{PO}_4)_2$
 \therefore It is ore of fluorine with calcium
- 10 (d)
A bronze sulphide mineral $(\text{Fe}, \text{Ni})_9\text{S}_8$, a chief ore of Ni.
- 11 (a)
Pitch blende is an ore of uranium containing U_3O_8 .
- 12 (a)
In aluminio-thermic process, aluminium is used as reducing agent
- 13 (a)
__do__
- 14 (a)
The adsorption phenomenon is involved in the forth floatation process
- 15 (c)
It is a fact.
- 16 (a)
Stainless steel is an alloy of iron with chromium and niel Its composition is 82% Fe and 18% (Cr+Ni). It res corrosion and used for making automobile parts and utensils
- 17 (d)



- 18 It is a fact.
(d)
Cyanide process is used in the extraction of both silver and gold because these form complex salts with CN^- ion due to presence of lone pair of electron on nitrogen atom
- 19 **(d)**
All are characteristic features of alloy.
- 20 **(d)**
All are noble metals.



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ANSWER-KEY										
Q.	1	2	3	4	5	6	7	8	9	10
A.	D	A	B	C	B	B	A	B	A	D
Q.	11	12	13	14	15	16	17	18	19	20
A.	A	A	A	A	C	A	D	D	D	D



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