

India's Number 1 Education App

CHEMISTRY

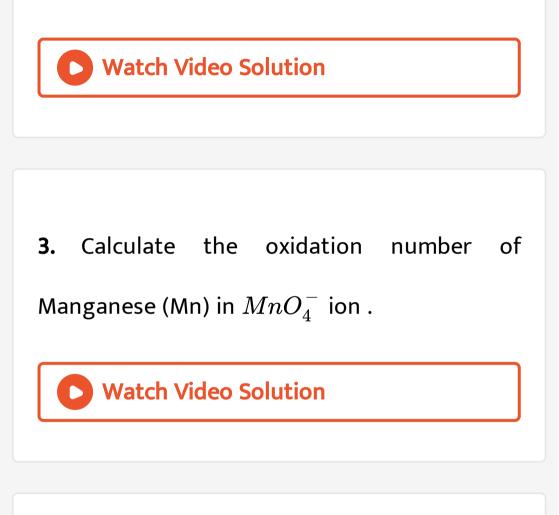
BOOKS - VGS PUBLICATION-BRILLIANT

TS MARCH -2018



1. State the first law of thermodynamics.

2. State Graham's law of diffusion.



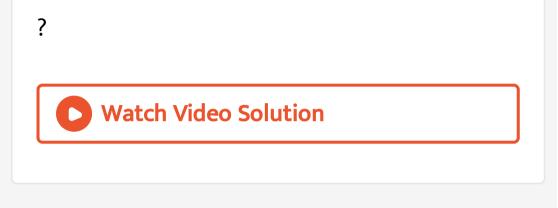
4. What is Lewis acid? Give one example.

5. Lithium react with water less vigorously than sodium. Give your reason.



6. What happens when magnesium metal is burnt in air?

7. What is Biochemical Oxygen Demand (BOD)



8. Write the IUPAC names of:

$CH_3 - CH_2 - CH_2 - CH = CH_2$



9. Write IUPAC name of the structure :

$$egin{array}{c} O \ CH_3 - CH_2 - egin{array}{c} O \ dots \ CH_3 - CH_3 \end{array}$$

Watch Video Solution

10. Greenhouse effect is caused byand

.....gases.

11. State and explain the Hess's law of constant

heat summation.

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1. Write the postulates of kinetic molecular

theory of gases .

2. Balance the following equation in acid medium by Ion-electron method :

$$Fe^{+2}_{(
m aq)} + Cr_2 O^{2-}_{7(
m aq)} o Fe^{3+}_{(
m aq} j + Cr^{+3}_{(aq)}$$

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3. Explain hybridisation of phosphorous in the

formation of PCl_5

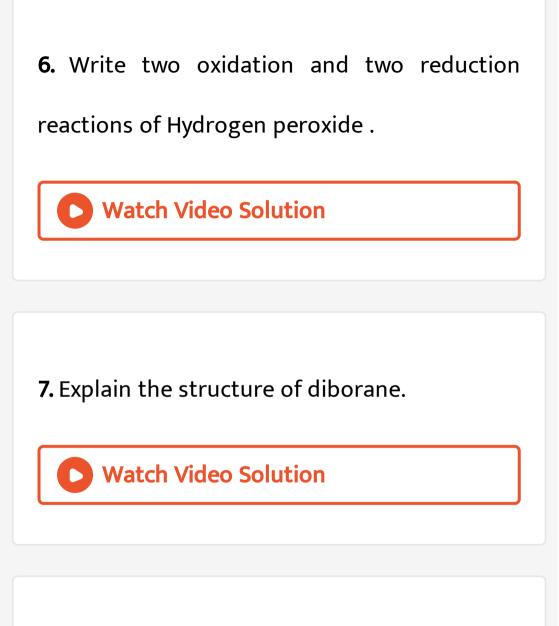
4. Discuss the application of Le-Chatlier's principle for the industrial synthesis of sulphur trioxide (SO_3)



5. What is Hydrogen bond ? How many types ?

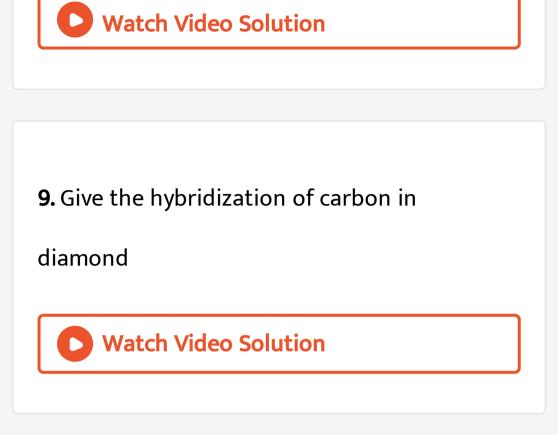
Give one example each .





8. Give hybridisation of carbon in

 CO_{3}^{2-}



10. Give the hybridization of carbon in

Graphite

11. Give the hybridization of carbon in

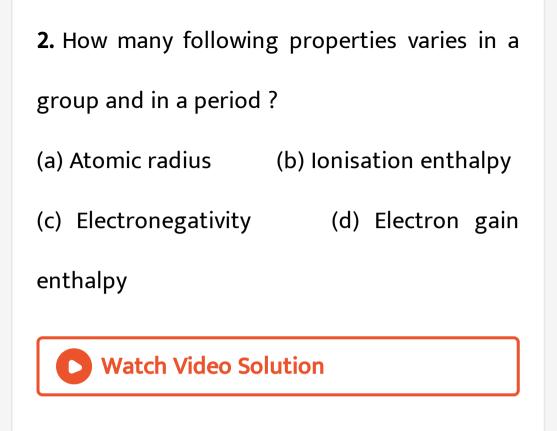
Fullerene





1. What are the postulates of Bohr's model of

hydrogen atom?



3. Write any two methods of preparation of ethylene . How does it reacts with following ? (a) Cold , dil.alk. $KMnO_4$ (b) Br_2/CCl_4

