

JEE Main 25<sup>th</sup> Feb Shift 2 Memory-Based Questions – CollegeDekho

<p>February 25<sup>th</sup> Shift 2</p>	<ul style="list-style-type: none"><li>• What will be the product from Ethylene Glycol with Oxalic Acid?</li><li>• Which Molecule does not have the same bond length? - <b>SF<sub>4</sub></b></li><li>• In which COOH is present? - <b>Aspirin</b></li><li>• BaCO<sub>3</sub> CaCO<sub>3</sub> SrCO<sub>3</sub> MgCO<sub>3</sub> Arrange these salts as per their decreasing thermal stability. <b>BaCO<sub>3</sub>&gt;SrCO<sub>3</sub>&gt;CaCO<sub>3</sub>&gt;MgCO<sub>3</sub></b></li><li>• What are the major components of German silver? - <b>Copper, Nickel, Zinc</b></li><li>• Which process is used for Indium? - <b>Zone Refining</b></li><li>• <b>Statement 1</b> - pH of Rainwater is approximately 5.6 <b>Statement 2</b> - If pH of rainwater is less than 5.6, then it is called as Acid Rain - <b>Both Statements are Correct</b></li><li>• Structure of Maltose</li></ul> <p><b>Scroll Down to Check More</b></p>
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For a reaction value of rate const. becomes 5 times when temp. is increased from  $27^{\circ}\text{C}$  to  $52^{\circ}\text{C}$ . Find the activation energy ?

Ans. 52 KJ

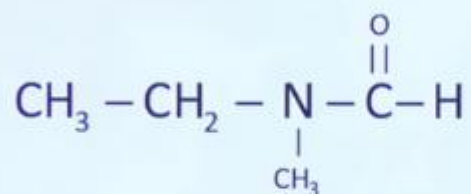
How many can be used as photoelectrode

Li, Na, Rb, Cs,

An element having  $Z = 29$  then calculate magnetic moment in aqueous medium

Ans. 1.73 B.M

What is the IUPAC nomenclature of



Ans. N - ethyl - N - methyl formamide

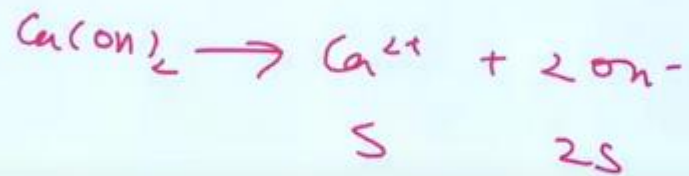
**Which of the following pseudo anion**

**Ans.**  $\text{MnSO}_4 \text{ Al}_2(\text{SO}_4)_3 \cdot 24\text{H}_2\text{O}$

**Correct order of bond dissociation of halog**

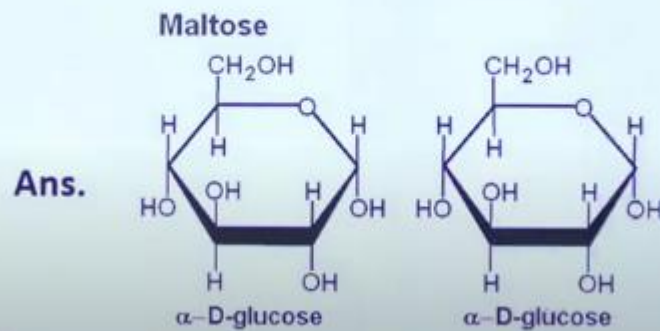
**Ans.**  $\text{Cl}_2 > \text{Br}_2 > \text{F}_2 > \text{I}_2$

Solubility product of  $\text{Ca}(\text{OH})_2$  is  $5.5 \times 10^{-6}$   
calculate solubility ?



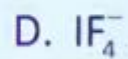
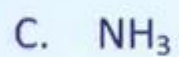
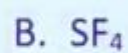
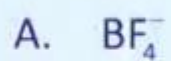
$$K_{sp} = [s][2s]^2$$
$$= 4s^3 = 5.5 \times 10^{-6}$$

### Structure of maltose



**BaCO<sub>3</sub>, CaCO<sub>3</sub>, SrCO<sub>3</sub>, MgCO<sub>3</sub> arrange these salts  
According to their decreasing thermal stability?**

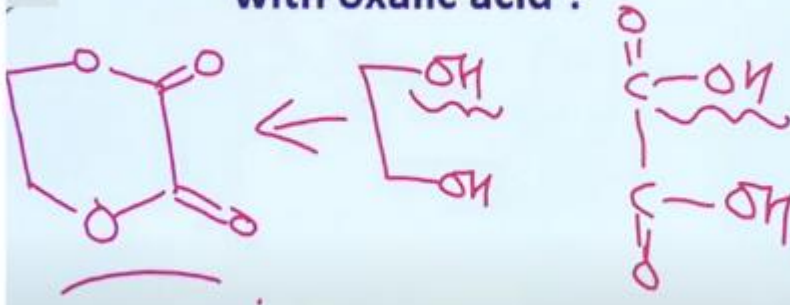
**Which molecule does not has same bond  
length?**



**Ans. B**

RY

What will be the product formed with oxalic acid ?



JEE MAINS 2021 25<sup>th</sup> FEB SHIFT (02)

Phy.

- Q. The engine of a train is crossing the red signal at  $u$  m/s and last compartment of train is crossing the red signal at  $v$  m/s. What is the velocity of the middle part of the train crossing the red signal.

JEE MAINS 2021 25<sup>th</sup> FEB SHIFT (2)

Q. The Value of  $\lim_{x \rightarrow 0} \frac{\int_0^x \sin \sqrt{t} dt}{x^3}$  is

a) 0

b)  $\frac{2}{9}$

c)  $\frac{1}{3}$

d)  $\frac{2}{3}$