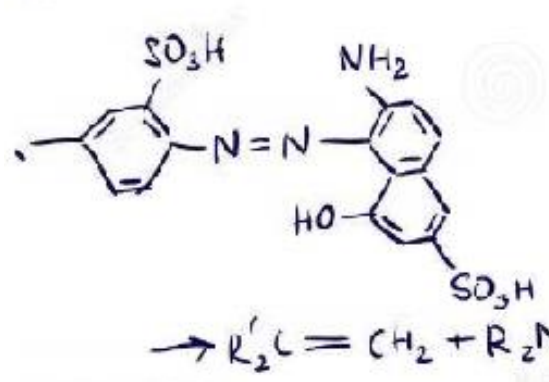
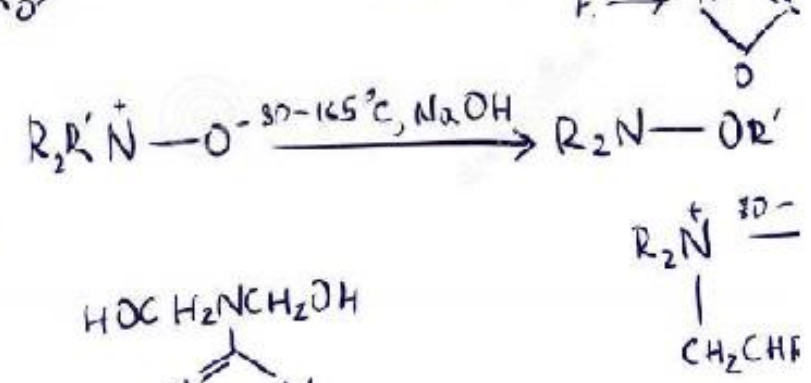
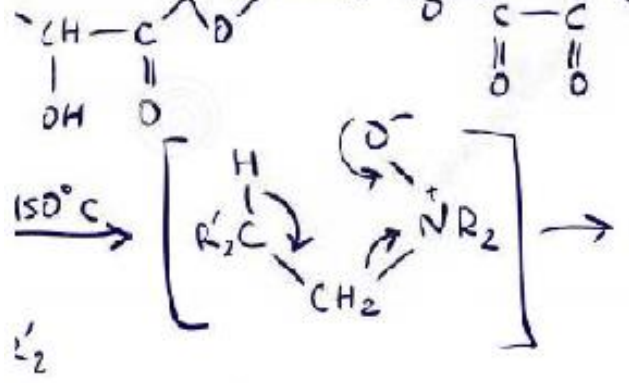
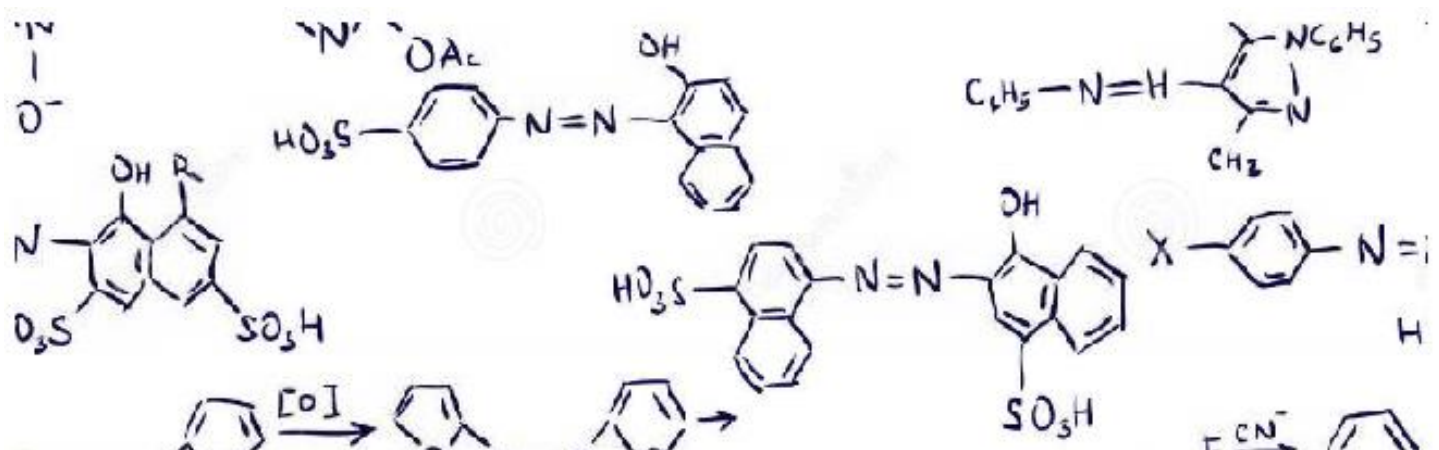


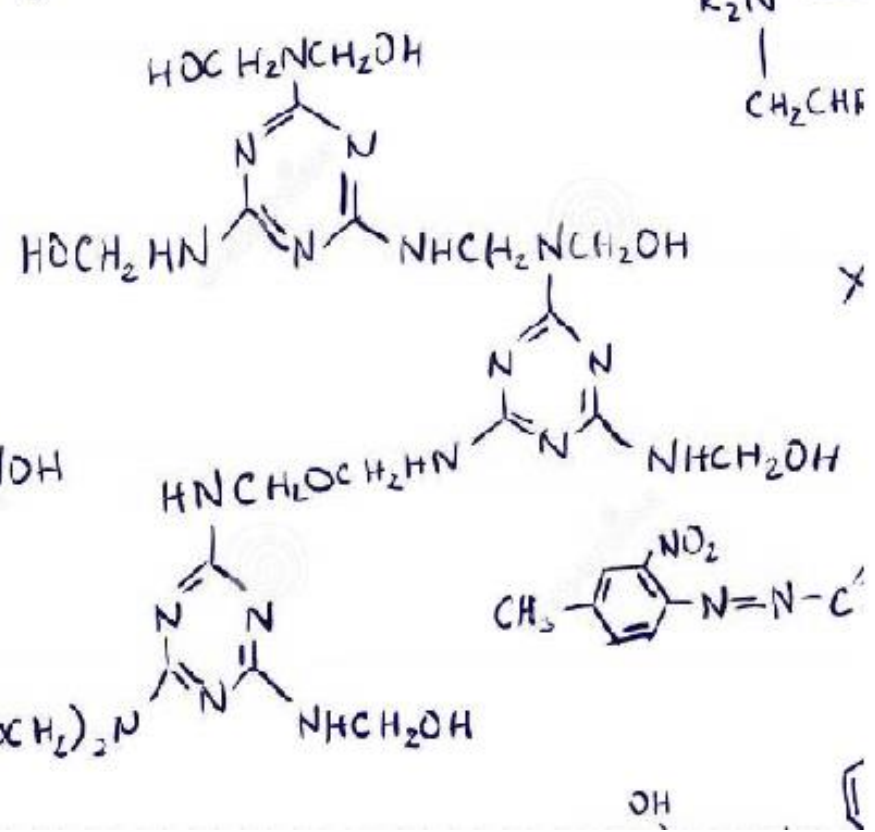
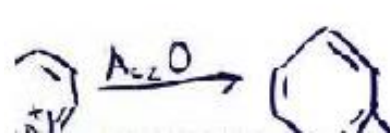
$$\begin{aligned}
 & \mathbb{P}\{|X| > A\} \leq \sum_{k=1}^{\infty} e^{-\frac{A^2}{2k}} = H(A) \\
 & \int_{-\infty}^{\infty} dG_k(x) \geq \frac{1}{2} \sum_{k=1}^{\infty} e^{-\frac{A^2}{2k}} = H(A) \\
 & f_{n-1}(t) = \int_0^1 f_n(u) f_1(t-u) du = \frac{2^{n+1} t^n e^{-2t}}{n!} \quad \lim_{t \rightarrow 0} (f_n(t)) = 0 \\
 & \log \varphi(t) = i\gamma t - c|t|^\alpha \left[1 + i\beta \frac{t}{|t|} \omega(t, \alpha)\right] \quad B(u) = \sum_{k=1}^r \Psi^*(b_k u) \quad C_{iv} = \sum_{j=1}^n a_{ij} b_j \\
 & \int_{-\infty}^{\infty} e^{-\frac{u^2}{2}} du = \sqrt{2\pi} \quad |\Psi_S(t)| = \left| \int_{-\infty}^{\infty} e^{itx} dF(x) \right| \leq \int_{-\infty}^{\infty} e^{-\nu x} dF(x) = \varphi_S(i\nu) \\
 & \prod_m = \prod_r \prod_{m-r} \\
 & |X \cup Y| = |X| + |Y| - |X \cap Y| \quad \lim_{n \rightarrow \infty} \frac{1}{n} k_n \left(\frac{x}{\sqrt{n}}\right) = \frac{1}{\sqrt{2\pi}} e^{-\frac{x^2}{2}} \\
 & f: X \rightarrow X \cap W \\
 & \left(\sum_{k=1}^r P_k^\alpha \log_2 \frac{1}{P_k} \quad \left| \sum_{k=1}^r P_k^\alpha \log_2 \frac{1}{P_k} \right|^2 \right) \quad f g(u_i) = f \left(\sum_{j=1}^{\dim V_2} a_{ji} v_j \right) = \sum_{j=1}^{\dim V_2} a_{ji} \left(\sum_{k=1}^{\dim V_3} b_{kj} w_k \right) \frac{\binom{2k}{k}}{2^k} \approx \frac{1}{\sqrt{\pi k}}
 \end{aligned}$$

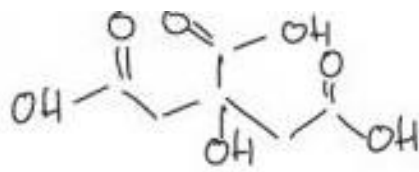
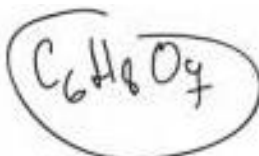
$$\begin{aligned}
 & \mathbb{P}\{|X| > A\} \leq \sum_{k=1}^{\infty} e^{-\frac{A^2}{2k}} = H(A) \\
 & \int_{-\infty}^{\infty} dG_k(x) \geq \frac{1}{2} \sum_{k=1}^{\infty} e^{-\frac{A^2}{2k}} = H(A) \\
 & f_{n-1}(t) = \int_0^1 f_n(u) f_1(t-u) du = \frac{2^{n+1} t^n e^{-2t}}{n!} \quad \lim_{t \rightarrow 0} (f_n(t)) = 0 \\
 & \log \varphi(t) = i\gamma t - c|t|^\alpha \left[1 + i\beta \frac{t}{|t|} \omega(t, \alpha)\right] \quad B(u) = \sum_{k=1}^r \Psi^*(b_k u) \quad C_{iv} = \sum_{j=1}^n a_{ij} b_j \\
 & \int_{-\infty}^{\infty} e^{-\frac{u^2}{2}} du = \sqrt{2\pi} \quad |\Psi_S(t)| = \left| \int_{-\infty}^{\infty} e^{itx} dF(x) \right| \leq \int_{-\infty}^{\infty} e^{-\nu x} dF(x) = \varphi_S(i\nu) \\
 & \prod_m = \prod_r \prod_{m-r} \\
 & |X \cup Y| = |X| + |Y| - |X \cap Y| \quad \lim_{n \rightarrow \infty} \frac{1}{n} k_n \left(\frac{x}{\sqrt{n}}\right) = \frac{1}{\sqrt{2\pi}} e^{-\frac{x^2}{2}} \\
 & f: X \rightarrow X \cap W \\
 & \left(\sum_{k=1}^r P_k^\alpha \log_2 \frac{1}{P_k} \quad \left| \sum_{k=1}^r P_k^\alpha \log_2 \frac{1}{P_k} \right|^2 \right) \quad f g(u_i) = f \left(\sum_{j=1}^{\dim V_2} a_{ji} v_j \right) = \sum_{j=1}^{\dim V_2} a_{ji} \left(\sum_{k=1}^{\dim V_3} b_{kj} w_k \right) \frac{\binom{2k}{k}}{2^k} \approx \frac{1}{\sqrt{\pi k}}
 \end{aligned}$$

$$\begin{aligned}
 & \mathbb{P}\{|X| > A\} \leq \sum_{k=1}^{\infty} e^{-\frac{A^2}{2k}} = H(A) \\
 & \int_{-\infty}^{\infty} dG_k(x) \geq \frac{1}{2} \sum_{k=1}^{\infty} e^{-\frac{A^2}{2k}} = H(A) \\
 & f_{n-1}(t) = \int_0^1 f_n(u) f_1(t-u) du = \frac{2^{n+1} t^n e^{-2t}}{n!} \quad \lim_{t \rightarrow 0} (f_n(t)) = 0 \\
 & \log \varphi(t) = i\gamma t - c|t|^\alpha \left[1 + i\beta \frac{t}{|t|} \omega(t, \alpha)\right] \quad B(u) = \sum_{k=1}^r \Psi^*(b_k u) \quad C_{iv} = \sum_{j=1}^n a_{ij} b_j \\
 & \int_{-\infty}^{\infty} e^{-\frac{u^2}{2}} du = \sqrt{2\pi} \quad |\Psi_S(t)| = \left| \int_{-\infty}^{\infty} e^{itx} dF(x) \right| \leq \int_{-\infty}^{\infty} e^{-\nu x} dF(x) = \varphi_S(i\nu) \\
 & \prod_m = \prod_r \prod_{m-r} \\
 & |X \cup Y| = |X| + |Y| - |X \cap Y| \quad \lim_{n \rightarrow \infty} \frac{1}{n} k_n \left(\frac{x}{\sqrt{n}}\right) = \frac{1}{\sqrt{2\pi}} e^{-\frac{x^2}{2}} \\
 & f: X \rightarrow X \cap W \\
 & \left(\sum_{k=1}^r P_k^\alpha \log_2 \frac{1}{P_k} \quad \left| \sum_{k=1}^r P_k^\alpha \log_2 \frac{1}{P_k} \right|^2 \right) \quad f g(u_i) = f \left(\sum_{j=1}^{\dim V_2} a_{ji} v_j \right) = \sum_{j=1}^{\dim V_2} a_{ji} \left(\sum_{k=1}^{\dim V_3} b_{kj} w_k \right) \frac{\binom{2k}{k}}{2^k} \approx \frac{1}{\sqrt{\pi k}}
 \end{aligned}$$



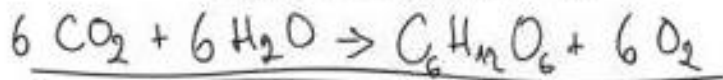
$\rightarrow C(OH)CH_3$
 $\rightarrow CONHC_6H_5$





192,15 g/mol

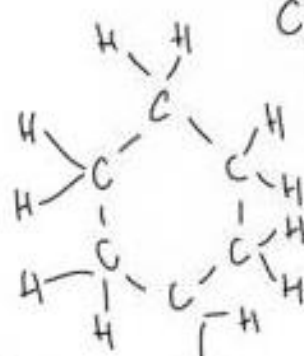
PHOTO SYNTHESIS



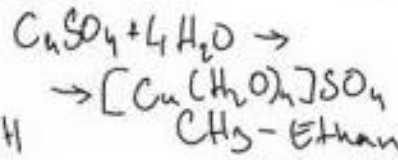
H_2O_2

O_2

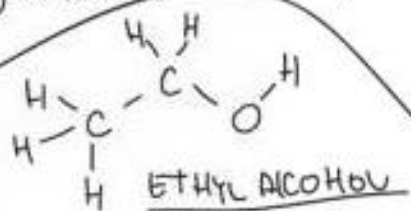
HCl
NaCl



Cykllohexan



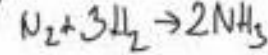
CH₄ - Methan



HNO₃ - Nitric acid

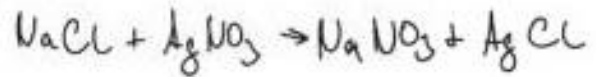
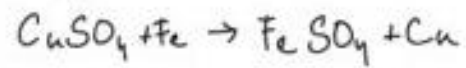
H₃PO₄ - Phosphoric acid

H₂SO₄ - Sulfuric acid

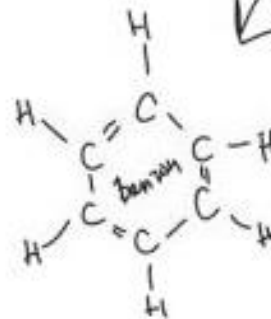


H₄N₂O₃

CH₂O - Glukosa



C₆H₆ / CH - Benzen



$R-C(=O)NO_2S$ c1ccc(cc1)/N=N/c2ccc(cc2)N(C)C $I_2 + OH^- \rightarrow IO_3^- + I^- + H_2O$ $\frac{[O_2O^+][S^2-]}{[CH_3S]} = \frac{10^{-10} \cdot 10^{-4}}{10^{-5}} = 10^{-9}$
 $C_6H_5CH_3 \xrightarrow{+3Cl_2, -3H_2} C_6H_5COOH$ $CH_3-C(=O)H + C^+ \rightarrow \uparrow P + V$ $CH_3-C(CH_3)(H)-CH_2-CH_2-CH_3$ $H_2C=CH-CH_2$ C1=CC=CC=C1
 $WO_3 + 3H_2 \rightarrow W + 3H_2O$ $R-C(=O)H + C^+ \rightarrow \uparrow P + V$ $CH_3-C(CH_3)(H)-CH_2-CH_2-CH_3$ $H_2C=CH-CH_2$ C1=CC=CC=C1
 $Ca(OH)_2 + Ca(HCO_3)_2 \rightarrow 2CaCO_3 \downarrow + 2H_2O$ $R-C(=O)H + C^+ \rightarrow \uparrow P + V$ $CH_3-C(CH_3)(H)-CH_2-CH_2-CH_3$ $H_2C=CH-CH_2$ C1=CC=CC=C1
 $Ca^{2+} + CO_3^{2-} \rightarrow CaCO_3$ $H-C(=O)NO_2$ $H-C(=O)NO_2$ $F_2 \xrightarrow{O_2, h\nu} OF_2$ $[Cu(NH_3)_4]^{2+} + H_2 \rightleftharpoons 2H^+ + Cu + 4NH_3$ $\Delta H = -455 kJ/mol$ $[Ag(CH_3)_2]^+$ $\frac{1}{2} O_2 + H^+$
 $4HClO_2 \rightarrow 3HClO + HCl$ $CH_3-C(CH_3)(H)-CH_2-CH_2-CH_3$ $H_2C=CH-CH_2$ C1=CC=CC=C1 $23^- \rightarrow I_2 + 2e^-$ $PbS + 4HCl \rightarrow 2H_2S + PbCl_2$ $2SO_2 + PbO$ $Pb^{4+} + 2e^- \rightarrow Pb^{2+}$ c1ccc(cc1)C(=O)O $UeCO_3 \rightarrow UO_2 + CO_2$
 $n \cdot R \cdot T = p \cdot V$ $HOC-COOH \rightarrow CO + CO_2$ $R-COO^- Ca^{2+}$ $CH_3-C(CH_3)(H)-CH_2-CH_2-CH_3$ $H_2C=CH-CH_2$ C1=CC=CC=C1 $2NaBr + H_2SO_4 \rightarrow Na_2SO_4 + 2HBr$ $[Fe(CN)_6]^{3-}$
 $CH_3-CH(OH)-CH_3$ $CH_3-O-C_2H_5$ $235_{92}U + \frac{1}{2} n \rightarrow 236_{92}U \rightarrow 92_{34}S + 148_0D + e$ $Na_2(AlSi_2O_6) + Ca^{2+} \rightleftharpoons Ca(AlSi_2O_6) + 2Na^+$ $UeCO_3 \rightarrow UO_2 + CO_2$
 $Fe_2O_3 + 3H_2 \rightarrow 2Fe + 3H_2O$ $H-C(=O)NO_2$ $H-C(=O)NO_2$ c1ccc(cc1)C(=O)O $HOC-COOH \rightarrow CO + CO_2$ $R-COO^- Ca^{2+}$ $CH_3-C(CH_3)(H)-CH_2-CH_2-CH_3$ $H_2C=CH-CH_2$ C1=CC=CC=C1 $2NaBr + H_2SO_4 \rightarrow Na_2SO_4 + 2HBr$ $[Fe(CN)_6]^{3-}$
 $2HNaO_2 + 2HCl \rightarrow 2NaCl + O_2 + 2H_2O$ $c(\frac{1}{2} n Na_2O) = \dots$ $H-C(=O)NO_2$ $H-C(=O)NO_2$ c1ccc(cc1)C(=O)O $2NaBr + H_2SO_4 \rightarrow Na_2SO_4 + 2HBr$ $[Fe(CN)_6]^{3-}$