Liberatio (Marday) · Agreed Fuels - caloripic Vales-High HCV (Gross)-includes latentheat of hog High OLCV (Not) = HCV-Iou Hage Off LCV = KEHCV- 9 XHX587 calle 100 Latent Keat opnop - Prop of fret - moderate ignition temp · cheap · easily available · high CV · Longer Petermination of C.V. of a helco.uk * Bomb Calorimeta - Notesale.co.uk preview from 0143 - 2014 Preview Page 20143 - 2000 - air jackt - - - > mate Jackel (laboripic) but of He O mater 200 Heat gained = Heat last ? $C \times \alpha = (w + co)(T_2 - T_1)$ · Corrections - O Mg wite correct" (heat ghreiabd O Acid correct " (when acid made by H5 galatett 3 cooling appect leason intemp de to a multo

 $(0, Cx = (w + w) (T_2 - T_1 + 0) - (0 + 0)$ Boy's Colim Calopimeter prouter coffer with e simmed coffee will iniet ud of Hao gas metal Collected Combistion vol of had haster Preview from Notesale.co.ur Preview Production 3 of 43 condented) Heatgoined > Outlet Page m x 587 call massing condensed H20. Dulong's Formula - to measure hearetically 60 8080Ct 1034500 (H-0) +22405 (4) HEVE 1 it is (1-g) as motive Halso Contains H'of H. O So, we sub it facts In Ha = 16900 - 29 H 19060 > 19H 03060 1000

Nour it 3 phases in ore complate, 1) and and La = by new, re of eq "or no for block of cle-D F= (Total no apros - Total red) relat" $F = (P(c-1)+2) - (c \cdot (P-1))$ F = c - P + 2Adm-- sighte method to classifyed " tota uk · explais behanian a as a le co. uk Notesale.co. uk Previewsfitom hote 43, estem-previewsfitom hote 43, es $f = 100 \quad 374$ F = 2, F = 1Suthing (°O) T $Give \quad (°O) \quad T$ O= Tayle Jt. (E=0, P=3) (AOC = Vafour BOC = I C BOC= I a AC= Vious - lig CB = IQ-water

> Poison - Negetive Catalyst - retain back after sen - at oftemumterp . specific inteir act - selectivin notes - Homogeneous catalyst-- Acid-Base - Enzymes - Wilkinsons -> Acid - Rose Cotalist -They are of two types - Specific & General S. Acid - catalized by H ions only (Arateria societionics) Eg - Intersional cassingente.co.uk S. Rose - catalysed Notes ale.co.uk from (gentaisement) preview plagentian for preview plagentian for proster - G. Acid - Catalysed by alltypes of acid Eg - $\frac{1}{12}$ $\frac{1}$ (iadeat "of acetore) 6 Base - Catalysed by alltypes of base ES= NH, NO, (decop. of nitramide cat by acetate ions)

-d[s]= R3[SH+][A] dt Rate = $\frac{dt}{AH^{1}y_{19}SSA}}{[SH^{2}][A^{2}]=\frac{k}{R}[S][A+d]}{R_{1}+R_{3}}$ Rate = R, R, ISJEAHT) genoted R2+R2 acid ACTOP = Enzyme Catalysis -- Dialogical perocessos - mighty - specific in natione - morkat oftimum terp - makenlyatoptimum pH(7.4) - Inhibitas - Topipitas - Co-enzype - metal ign Notes ale. Co. UK - Co. occurs, folynon MyporpH. Terpdestrois. -Mechanism of Enzymeaction. internediate fored - de crease energy of activation Lock & Key Model E - E - E 0 25 Estable conflex prod. engre Recident highly bound heady ton

> Kinetics of Enzyme Catalysis (Michael) Menter med SHE RE [ES] (bast) EST K3 P + E (8100) So, Rate = R3[ES] RESTEJ- K, [ES]- R, [ES]=0 $\overline{[ES]} = \frac{R}{K_3} \frac{[S]E]}{K_3 + R},$ Preview bage 20 of 43 [E] - can't be det . So, . For initial sate, ro= R3 [So][F.] [So] + Rm 1. [So]>>km, to= R3[Eo] = Vmax = 2mon (gero order I. Rm>> [So] Ro= Rz[Eo][So] Rm h = Vmax x [5] Rm 36 Rm=5, 9= Vmox

Kate ! m Annak Rmy CR all a second (+ (+) atalytis by Motal Sails Wilkinston's catalysis Ath. 550 TALS (taptengel) hasthing 2h 19th Rhadium Preview from Notesale.co.uk < Macha ChIT CHI, = CHI and times Rh (I Sh(II)-