Catalyst (Substance that speed up latter the rate of a reaction who being them. Changed with the end of reaction) Chemical Biological Our body/cells produce E. Manganese(UV) oxide Eustinez (hospu) that work at temp-below (atolase 45°C. eg. 2H2O2 CTRYPR 2H20 + O2 Pepide hydragen Characteristics bond bood 1. Speed up chem. reactions - By lowering activation energy CUNISA. 1 WO E. 2. Required in minute amts lactivation energy w/ E. - Small amt catalyse a big amt of reactions - Remains undanged - Can be used over & over again /repeatedly exothermic leaction 3. Highly specific in their actions (holeage energy so lul is low - specific due to 3-0 shape ofter reaction) enzyme > treaction

Fro Lipids lipales Fatty Add + Glycerol - Enzymes, lower . A-Energy req. endothermic to start chem reaction cabsorb energy 50 energy lvl o -Bring 5. into close proximity wl 4. Affected by PH high after reachon) - Acid/Alkali dehatures enzyme reaction to ccur - 1 E-5. complex k prot formed/unit -8-cannot bind to E'S A.J. Itus 1 chemiest reaction E-enzyme ls. Affected by temperature 1 K.E. of E 5- Substrate - Acid Malkali denatures enzyme ribrations so violent, breaks the peptide/hydrogen A.S. >active -8- cannot bind to A.S. eg. digestion, - 1 chances of effective collisiono bonds in enzyme - Lose its shape & A.S. Denatured - S. cannot bind to A.S. of E--1 E-S complex, 1 prd. @ - 1 rate of reaction Classes 6. Affected by substrate kenzyme conc. A & conc., A rate of reaction until a certain pt. (Redox) latatou Hydroldses enryme at higher conc Oxi-Red · erope 1 S-conc, 1 rate - Breakdown -Busak nb combex Some sozyme \* time is not a limiting factor as it does not take part in the reaction glucase in colour mol -> simpler ind. U respiration w/ water >substrate conc. Reactions Catabolic (help breakdown complex substance) Anabolic Ribuild up complex substance) eg. Digestion I substrate > 201 mae prd 2 or more substrak eg. A.A. > proteins >1 Product Gluaise -> Starch FA. &Glycerol > Fats

Rheia Tay | More free notes at tick.ninja