DNA supplication is STARWING ANG DNA Polymerase Anthun Konnbang

5'-3' only Interes without RNA and DNA primer in test tube. Okazaki friagments Replication touk is asymmetrical. Main neason -> ATP requirement, for DNA The 3 nucleotide has to triphosphate, mat can be broken to release energy. In 5 end if there is triphoshate, where abes the primer sit? -> Wry 5'-> 3'] Fact: only one polymerase acts / two? X Looping of 5-5 lagging strang in replisome helps in coordinated movement. of two strands Joining of Okazaki Fragments # Why RNA as primer; (and not DNA) RNAGE H -> 5' exonuclease Ly does it recognise 2 OH RNA CT ON Monday HEAR

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polymerase III -> blongation. DNA polymerase I -> filling & of gaps. 4 does this remove the primous? Ly how can it sit without something Fidelity of supplication -> does not allow incorrect pase pairs -> can recognise unpowred end: -> can also regnise RNAs due to steric hindrance Tautomers & L'incorrect base pairing Structural is o mers of chemical compounds that readily interconvert. Thymine (eno 1), Cytosine (imino) Transient -> unpaire -> recognised again 4 as DNA pol moves slower than this change. How does it slide back? - > source of energy is ATP. We should print pictures of DNA pol III. CT on Monday HEHE