

WORKSHEET FOR BIOLOGY-2 CHAPTER 13 DNA/PROTEIN SYNTHESIS

Name _____

Hour _____

Date _____

- 1) Draw a DNA molecule. Be include ALL three parts to each nucleotide and the anti-parallel nature of the DNA double helix. (the diagram does not have to be “twisted”, a two dimensional picture is sufficient)

- 2) What is an Okazaki fragment?

- 3) Synthesize the following DNA strand.

GTACTCACTTCCGTA old strand
new strand

- 4) Draw a diagram of DNA helicase and DNA polymerase replicating the double strand of DNA above. (the part you made plus the old part)

- 5) Define translation and transcription of DNA.

- 6) What are the three types of RNA and what does each one do?