

**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?