Quiz G1, Biochem 1 Name:

Please write your name on the other side of this page.

1) Draw a perfect C-G base pair, including riboses. Include a 3’ phosphate on the pyrimidine and a 5’ phosphate on the purine. Indicate the major groove and the minor grooves. Label the 6 and 7 positions of the purine and 4 position of the pyrimidine and the 1’ , 3’ and 5’ positions of the riboses.

2) Draw a perfect G-U wobble base pair. Use the letter R to indicate the riboses.

3) Draw a single strand of RNA with 3 nucleotides, terminated with a 3’ OH on one end and a 5’ phosphate on the other. Indicate the bases with the letter B.