Quiz G11, Biochem 1 Name:

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

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

2) Draw a perfect G-U wobble base pair including riboses. Include a 5’ phosphate on the G and a 3’ phosphate on the U.

3) Draw a single strand of DNA with 3 nucleotides, terminated with a 3’ OH and a 5’ phosphate. Indicate the bases with the letter B.

Quiz G12, Biochem 1 Name:

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

1) Draw a perfect A-T base pair including deoxyriboses. Include a 5’ phosphate on the A and a 3’ phosphate on the T.

2) Draw a perfect G-quartet. Indicate riboses with R.

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