**\*\* ONLY TEXT AND IMAGES APPEARING INSIDE THE RED BOXES WILL BE GRADED\*\***

1. Draw a perfect G-T wobble base pair, use R to indicate riboses.

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| INSERT HERE |

1. Print a B-form helix in 3D (from the DNA Pymol script, stick representation). Label all the atoms of two consecutive deoxyriboses of each strand. Indicate the strand directionality (3’ to 5’) for each strand.

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1. From the major groove (of the DNA Pymol script), for the edges of two base pairs, mark each hydrogen bond donor with a D and each hydrogen bond acceptor with an A.

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1. Do the same for two base pairs from the minor groove (of the DNA Pymol script).

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