**DNA Base Pairing Worksheet**

There are base pairing rules for writing complimentary DNA strands for a given strand.

A pairs with T

C pairs with G

Write the complimentary DNA strand for each given strand of DNA.

1. CGTAAGCGCTAATTA 2. TCTTAAATGATCGATC

3. AATGAATAGCTAGCTT 4. GGCATTCGCGATCATG

5. CGTTAGCATGCTTCAT 6. ACTAACGGTAGCTAGC

**DNA to RNA Base Pairing Worksheet**

There are base pairing rules for writing complimentary RNA strands for a given strand.

so A pairs with U

 C pairs with G

Now write the ***mRNA*** strand for the given DNA strand.

1. CGTAAGCGCTAATTA 2. TCTTAAATGATCGATC

3. AATGAATAGCTAGCTT 4. GGCATTCGCGATCATG

5. CGTTAGCATGCTTCAT 6. ACTAACGGTAGCTAGC