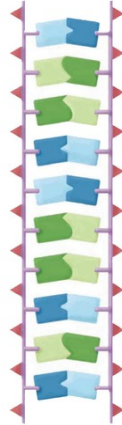
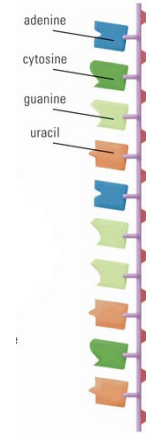


1. **DNA molecule**



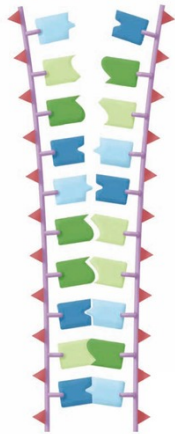
DNA showing all four bases- guanine paired with cytosine and adenine paired with thymine.

4. **mRNA**



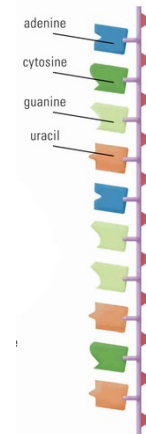
RNA chains formed in the nucleus that carry DNA code to a ribosome.

2. **The DNA then re-zips**



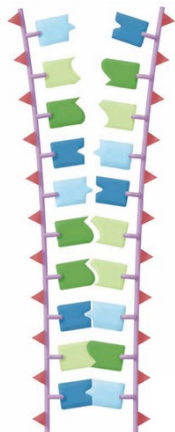
Re-zipping DNA strands

5. **RNA strand**



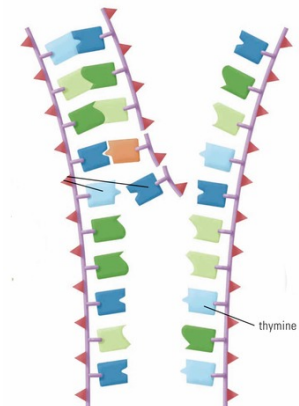
On an RNA chain the base uracil replaces the base thymine. Uracil pairs with adenine.

3. **DNA unzipping**



The two strands separate where the bases connect.

6. **RNA strand forming on a DNA strand**



The RNA chain forms adding one nucleotide at a time. This RNA strand does not connect to the DNA but remains a chain.

7. **tRNA bring Amino Acids to the ribosomes so proteins can be produced.**

