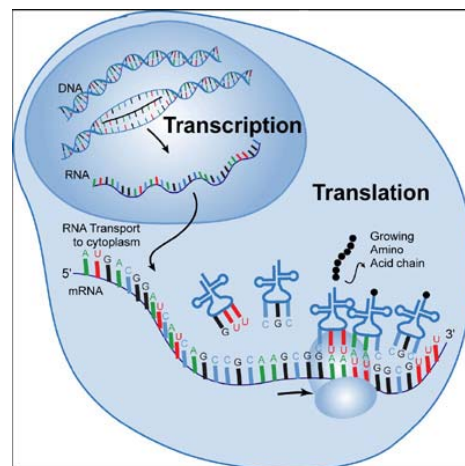
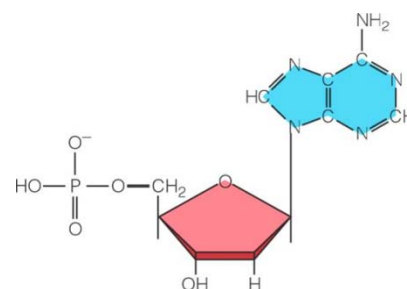


TOPIC 6: DNA and its processes

Please use the podcast from Council Rock High School for TOPIC 6 to guide you. The podcast can be found at <http://www.crsd.org/Page/31715>

1. Label the three parts of a nucleotide to the right.
2. DNA has _____ strands and the bases ___denine, ___ymine, ___tosine, and ___uanine.
3. RNA has _____ strand and the base ___racil instead of thymine.
4. What are the functions of
mRNA? _____
tRNA? _____
rRNA? _____
5. What are the three different processes that nucleic acid can do?
 - a.
 - b.
 - c.
6. What happens during replication?
7. What happens during transcription?
8. What does AUG code for? _____
9. What do UGA, UAA, and UAG code for? _____
10. What happens during translation?
11. What is the **biology** definition of a mutation?
12. What happens during
 - a. Substitution mutation
 - b. Insertion point mutation
 - c. Deletion point mutation
 - d. Duplication chromosomal mutation
 - e. Deletion chromosomal mutation
 - f. Inversion chromosomal mutation



g. Translocation chromosomal mutation