Practice Questions for EXAM 2 in GENE105

1. Linkage is a term to describe genes on the same chromosome. Two genes that are linked tend to get inherited together and therefore there are less recombinant gametes and less progeny.

2. Alpha helix - local amino acids interact with each other to form a helix structure that is stabilized by hydrogen bonds and non-covalent forces
   Beta sheet - local amino acids interact with each other to form a sheet-like structure that is stabilized by hydrogen bonds and non-covalent forces

3. C
4. B
5. C
6. C
7. C
8. C
9. C
10. C
11. A
12. D
13. C
14. A
15. C
16. Occurs equally in males and females
   Does not skip generations
   If the disease is not inherited, then transmission stops

17. BAC
18. mRNA - carry information from DNA to translation machinery so protein can be made
   tRNA - read codon present in mRNA and bring appropriate amino acids to translating ribosome
   rRNA - component of ribosome, catalyzes peptide bond formation between amino acids
19. deoxyribose
20-23. True