

Practice of Chargaff's Rule and Complimentary Base Pairing

1. What is Chargaff's Rule?

2. How do the nitrogenous bases pair?

__A__ pairs with ____

__C__ pairs with ____

3. If a strand of DNA has 30% C, what percent will be G? _____

4. If a strand of DNA has 25% A, what percent will be T? _____

5. If a strand of DNA has 15% C, what percent will be T? _____

6. If a strand of DNA has 46% A, what percent will be C? _____

7. If a strand of DNA has 24% T, what percent will be G? _____

8. If a strand of DNA has 14% G, what percent will be A? _____

9. Write the complimentary base pairs for the following DNA strands:

Original: ATT GAC CAA GTG CCG

Comp:

Original: TGG CAC CGA GGT AAT

Comp: