

1. Which base is not found in RNA? _____ **Thymine**
2. DNA is composed of repeating units of _____. **Deoxy-ribonucleotides**
3. When you are comparing two sequences of same or different organism, what is the of the alignment? _____ **Multiple sequence**
4. Which of the following option is a correct formula for Identity? _____
_____ **Identity = No. of Matches / smaller length × 100**
5. The methodology/procedure of aligning two sequences by searching for patterns that is in the same order in the sequences is known as _____ **Sequence Alignment**
6. A nucleotide is formed of which of the following units? _____
_____ **Nitrogen base, sugar and phosphate**
7. Statement: "Increase in Gaps can't increase or affect the chance of plenty in sequencing". ____
_____ **False Statement**
8. Which of the following in un-true related the gap penalty used in dynamic programming? _____
_____ **Gap penalty is added for each gap that has been introduced**
9. What term is used to describe the process by which a segment of DNA is copied to produce a molecule of messenger RNA? _____ **Transcription**
10. Which of the following is a primary methods of producing pairwise sequence alignment? ____
_____ **Dot-Matrix OR Dot Plots**
11. What term is used to describe the process by which DNA is copied to produce two daughter DNA molecules? _____ **Replication**
12. Which of the following is an advantage of Dot-Plot method? _____ **All of these**
13. which of the following statements about amino acids is correct? _____ **acids are classified according to the structures and properties of their side chains**