

When RNA is hydrolyzed, there is no relationship among the quantities of different bases obtained. What does this fact suggest about the structure of RNA?

Ans. When DNA is hydrolyzed, we find that the quantity of adenine is equal to that of thymine and the quantity of guanine is equal to that of cytosine. This means there is base pairing and hence we can say that DNA is double stranded. But when RNA is hydrolyzed, there is no such relation. So, there is no base pairing in RNA and hence it is single stranded.