Worksheet: Molecular Basis of Inheritance

Telangana State Board · Class 12 · Biology · 5 questions · 13 marks

Name: _____ Date: _____ Score: _____ / 13

Q1. How many amino acids would a polypeptide encoded by 150 codons have? *[2 marks]*

Q2. What is the significance of VNTRs in DNA fingerprinting? *[2 marks]*

Q3. Why was the Hershey-Chase experiment decisive in proving DNA is the genetic material? *[3 marks]*

Q4. What is semiconservative replication and how did Meselson-Stahl prove it? *[3 marks]*

Q5. What is the function of the lac operon repressor? *[3 marks]*