

Self – Assessment: Molecular Basis of Inheritance (chap 10)

Before the summative assessment (the test), I would like to do a quick temperature check on your understanding of DNA (structure/function) and protein synthesis. Answer honestly and add details as needed so I can better assist you. Please refer to your work and formative assessments from this section to help you with the self-assessment.

Where is your learning at?

Mastery (Green Light) – I can explain the concept to another student in class.

Intermediate (Yellow Light) – I know it but it will be hard for me to teach another person because I am not clear on certain parts. I will leave a comment regarding what is still unclear.

Novice (Red Light) – I am lost. I cannot explain the concept at all. I will leave a comment.

Objective	I am able to	M	I	N
10.1	Explain the structural properties of DNA and RNA (overall shape and role).			
10.2	Describe the process of DNA replication.			
10.3	Create a diagram and explain the role of DNA in heredity and protein synthesis (e.g., DNA replication, translation, transcription, mRNA, codons, pre-mRNA processing).			
10.4	Conduct an experiment to show how the protein carries out essential functions of life to keep homeostatic balance occurs in cells and organisms.			
10.5	Distinguish between different gene mutation(insertion, deletion, and substitution). Explain how mutations can be harmful, harmless, or beneficial to organisms.			

Reflection after formative assessment (quiz):

Teacher Action: _____

Formative (Quiz) ___/10 (___%) Summative (Test) Score: ___/25 _____ %

Reflection after summative assessment (test):
