

Unit 2 Grading Rubric

The Biology General Grading Rubric provides a consistent framework for evaluating student work, including assignments, projects, and lab reports. It emphasizes clarity in scientific explanation, critical thinking, and accurate data interpretation. Each lab will be assessed based on scientific accuracy, correct structure and sequence, use of biological vocabulary, and completion of all required sections. This rubric supports fairness and growth in scientific understanding and communication.

Grading Rubric for Unit 2 Lab – 100 Points

Criteria	Excellent	Good	Needs Improvement	Below Expectations
Structure & Organization (20 pts)	20 pts All required sections are present and well-organized. Clear headings and formatting.	15 pts All sections are presented with minor structural or labeling issues.	10 pts Some sections are missing, or the formatting is unclear.	5 pts The report lacks a clear structure and some required sections.
Scientific Concepts (30 pts)	30 pts Accurately explains transcription, translation, and protein synthesis using correct terminology.	20 pts Mostly accurate explanation with minor errors or unclear terms.	10 pts Basic explanation with noticeable gaps or incorrect use of terms.	5 pts Shows limited understanding of biological processes.
Data Table & Observations (20 pts)	20 pts The data table includes DNA, RNA, and amino acids. Clearly labeled and accurate.	15 pts Data mostly correct. May be missing a few labels or minor errors.	10 pts Data is incomplete or contains multiple errors.	5 pts Data is unclear, incorrect, or missing.

Hypothesis & Analysis (15 pts)	15 pts The hypothesis is logical. Analysis connects results to the hypothesis with good reasoning.	10 pts Hypothesis stated. Analysis attempts to connect to data.	5 pts Hypothesis vague or unrelated. Analysis lacks clarity.	0 pts No hypothesis or analysis provided.
Reflection & Conclusion (10 pts)	10 pts Insightful reflection with connection to real-life relevance. The conclusion is accurate.	6 pts Basic reflection. The conclusion summarizes key findings.	3 pts Brief reflection. The conclusion is unclear or partially missing.	0 pts Reflection and conclusion are missing.
Grammar & Formatting (5 pts)	5 pts Few to no errors. Third-person voice used throughout.	3 pts Some errors, but they do not hinder understanding.	2 pts Several grammar errors. Inconsistent voice.	0 pts Major issues with grammar, formatting, or voice.

Plagiarism Policy Reminder

All work must reflect the student's original effort. Lab reports must be written independently using the provided materials. Any copied text, use of unauthorized tools (including AI), or failure to paraphrase appropriately will result in a violation of the academic integrity policy and possible consequences.