Cornell Guided Notes

Biotechnology for Health (Biomedical Innovations) | 2027-03-02

Name	Period	Date	Lesson
		2027-03-02	

Lesson focus

Submit data table

Key words and questions	Prepared details and student notes
Essential question **What is today's target?**	Submit a complete, organized physiology data table ready for analysis. Big idea: A data table is only as good as its organization -- if a reader cannot verify your raw data, your analysis has no foundation. **My notes, examples, and questions**
Key words **What vocabulary unlocks the lesson?**	- sample size - mean - standard deviation - t-test - validity - reliability **My notes, examples, and questions**

Cornell Guided Notes

Biotechnology for Health (Biomedical Innovations) | 2027-03-02

Cornell Notes - Continued

Key words and questions	Prepared details and student notes
Must-know ideas **What should I understand by the end?**	- What a complete, labeled physiology data table must contain: trial numbers, conditions, values, units, and summary statistics. - How to detect obvious data-entry errors and outliers before analysis begins. - What data reliability means and how to write an honest one-line reliability assessment. **My notes, examples, and questions**
Process notes **What happens during class?**	- 0-10: Review data-table standards: every trial labeled, every value with units, summary stats included - 10-30: Verify the table: check for missing values, unit errors, and obvious outliers - 30-50: Add summary statistics: mean and standard deviation for each condition in the table - 50-65: Write a one-line data reliability assessment: what could have introduced error? - 65-77: Submit the physiology data table - 77-80: Exit check: if a classmate had to replicate your study using only your data table, could they? **My notes, examples, and questions**

Cornell Guided Notes

Biotechnology for Health (Biomedical Innovations) | 2027-03-02

Cornell Notes - Continued

Key words and questions	Prepared details and student notes
Steps and evidence **What do I do and turn in?**	- Verify every trial and condition is recorded with units. - Add summary statistics: mean and standard deviation per condition. - Check for obvious data-entry errors or outliers. - Write a one-line note on data reliability. - Submit the physiology data table. Evidence: Data table - Complete physiology data table: all trials labeled with conditions and units, summary statistics (mean and SD) per condition, and a one-line reliability assessment. **My notes, examples, and questions**
Checks for understanding **How do I know I got it?**	- Your table is complete, labeled, and includes summary statistics. - You can flag any reliability concerns in the data. **My notes, examples, and questions**

Cornell Guided Notes

Biotechnology for Health (Biomedical Innovations) | 2027-03-02

Cornell Notes - Continued

Key words and questions | **Prepared details and student notes**

Lab or safety notes
What must I handle carefully?

Supplies:
- Heart-rate or pulse sensor
- Lab computer or tablet with spreadsheet software
- Stopwatch or timer
- Data collection sheet
- Calculator
- Cleaning wipes for shared sensors

My notes, examples, and questions

Summary

Today's lesson focused on Submit data table. The main target was: Submit a complete, organized physiology data table ready for analysis. The evidence of learning is Data table: Complete physiology data table: all trials labeled with conditions and units, summary statistics (mean and SD) per condition, and a one-line reliability assessment.. In my own words, the most important idea from today is:

My summary

My final question or connection