Student Performance Report

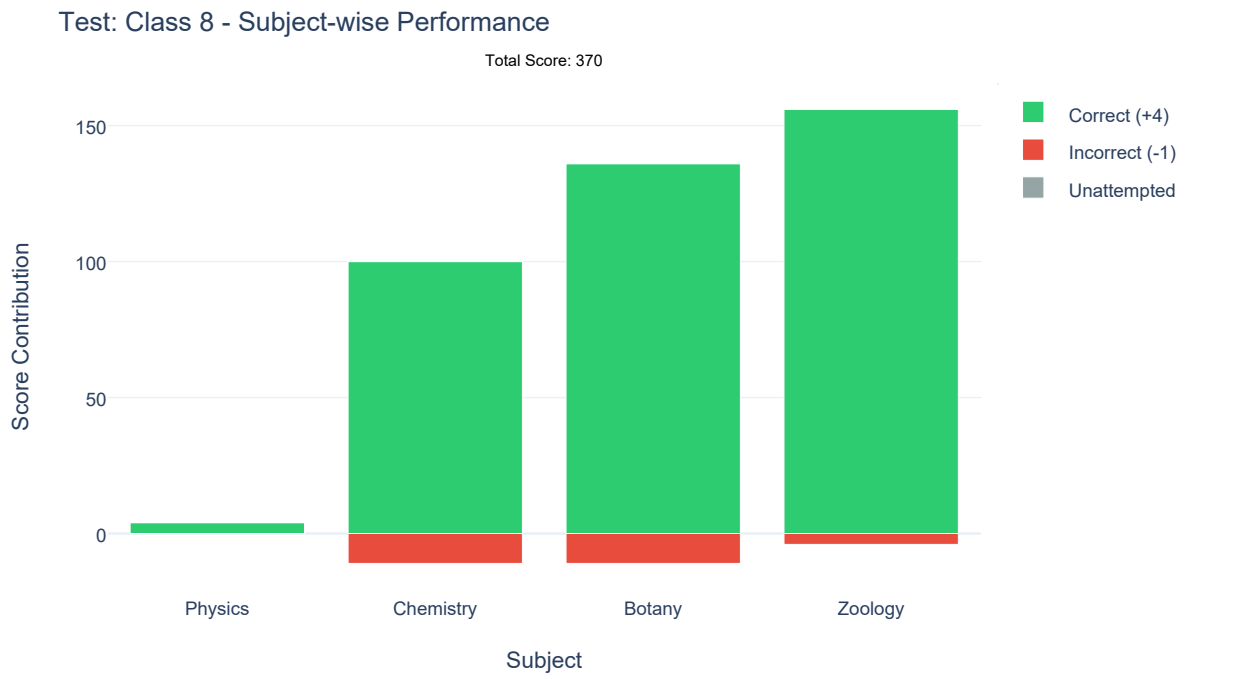
Student ID: 2025300001 | **Total Questions:** 271

Test-wise Performance Analysis

Class 7

Subject	Correct	Incorrect	Unattempted	Total	Score
Botany	36	9	0	45	135
Chemistry	29	2	14	45	114
Zoology	31	6	8	45	118

Class 8



Subject	Correct	Incorrect	Unattempted	Total	Score
Botany	34	11	0	45	125
Chemistry	25	11	9	45	89
Physics	1	0	0	1	4
Zoology	39	4	2	45	152

Learning Pattern Insights

Priority #1: Preparation and reactions of alcohols (Accuracy: 64.3%)

Subject: Chemistry

Problem Identified:

Alcohols: Confuses reaction mechanisms and reactivity order for synthesis and dehydration.

Recommended Action:

Practice Grignard reagents, E1/E2 mechanisms, and reactivity trends for different alcohol types.

Evidence:

Test class_8: Q47 (alcohol synthesis), Q48 (dehydration reactivity), Q49 (alcohol reactions), Q54 (dehydration product), Q60 (alcohol reactivity order)

Priority #2: Unknown (Accuracy: 80.0%)

Subject: Botany

Problem Identified:

Plant Metabolism: Confuses core concepts, equations, and products of photosynthesis and respiration.

Recommended Action:

Revisit fundamental equations, inputs/outputs, and key stages of photosynthesis/respiration.

Evidence:

Test class_7: Q92 (photosynthesis equation), Q106 (respiration definition), Q110 (respiration byproducts), Q116 (aerobic respiration yield)

Priority #3: Isomerism (Accuracy: 0.0%)

Subject: Chemistry

Problem Identified:

Isomerism: Struggles to identify different isomer types and count possible structures.

Recommended Action:

Practice isomer type identification and systematic drawing of structural isomers.

Evidence:

Test class_7: Q50 (misidentified isomer type); Test class_8: Q61 (incorrectly counted structural isomers), Q88 (misunderstood isomer stability)

Priority #4: Enzymes – types, properties, mechanism (Accuracy: 25.0%)

Subject: Botany

Problem Identified:

Enzymes: Confuses properties (coenzymes vs prosthetic groups) and optimal working conditions.

Recommended Action:

Review enzyme structure, cofactors, and factors affecting enzyme activity, including ribozymes.

Evidence:

Test class_8: Q91 (coenzymes/prosthetic groups), Q94 (ribozymes), Q95 (pH/temp optima)

Priority #5: Skeletal muscle – contractile proteins and muscle contraction (Accuracy: 50.0%)

Subject: Zoology

Problem Identified:

Muscle Contraction: Confuses roles of contractile proteins and structural changes during contraction.

Recommended Action:

Review the sliding filament theory, roles of actin/myosin/tropomyosin, and band changes.

Evidence:

Test class_7: Q172 (tropomyosin function); Test class_8: Q141 (muscle contraction process and motor unit)