UNDERSTANDING YOUR RESULTS – FOR THE STUDENT

At the completion of an assignment, the assignment results become available. The results are comprised of several different data sets from several different students. The results interface consists of three major sections:

• Reviews you performed • Reviews performed of your work • Scores & Overall Grade •

1. REVIEWS YOU PERFORMED

Reviews You Performed		
Answer Key	Max. Allowable Dev. = 2	
Reviews	Rating Deviation	Overall Grade
Review 1	4.00	**Not Mastered**
Review 2	2.00	Mastered
Review 3	2.00	Mastered

Each student must complete a pre-determined number of reviews to complete an assignment. CPR processes a score for each completed review. This score is based on how well each student did reviewing their peers' work. Each text entry in a CPR assignment has an average text rating. This rating is based on the ratings assigned by students during the review process. Before an assignment starts, the instructor decides how closely an individual review must be to this average rating for the reviewer to pass that review. If a student passes a single review, then CPR assigns the points allocated by the instructor for mastering a review.

Consider the following example. Joe Bruin assigns the following ratings during the reviews:

Reviews completed by Joe Bruin	Ratings
Review 1 of Student D	8
Review 2 of Student E	8
Review 3 of Student F	5

After all reviews are completed, CPR calculates the average weighted text rating for each student Joe Bruin reviewed. The text rating is based on the reviews performed by the students (for more information about average weighted text ratings, see REVIEWS PERFORMED OF YOUR WORK):

Peer Texts	Average Weighted Text Ratings
Student D	5
Student E	6
Student F	7

CPR calculates Joe's deviation from the average weighted text rating. CPR determines whether or not Joe mastered the reviews by calculating Joe's rating deviation from the average weighted rating. Remember than in this example, an instructor determined the allowable deviation to be 2. Therefore, any deviations greater than 2 will not be considered mastery of the review:

Peer Texts	Joe's Ratings	Average Weighted Rating	Deviation	Performance
Student D	8	5	3	Not Mastered
Student E	8	6	2	Mastered
Student F	5	7	2	Mastered

2. REVIEWS PERFORMED OF YOUR WORK

This section displays the reviews done of your own work. CPR displays each question's text followed by the answers from the reviewers and you. The final column contains your self-assessment answers. The final question displayed is the overall rating of your text by all reviewers (picture is truncated to save space):

Reviews Performed of Your Work				
Answer Key				Max. Allowable Deviation = 2
Questions		Answers		
	Review 1	Review 2	Review 3	Self-Assessment
1. Does the author indicate that X_2 and CH_4 do not react directly?	Yes	Yes	Yes	Yes
2. Is the halogen atom ·X· identified complete?				
20. Rate this text?	7	6	2	7
Weight Applied to Ratings	0.91	0.74	0.66	
Average Weighted Text Rating*		5.5		

After the ratings, CPR displays the weight given to each rating. In the previous section, we assumed that each reviewer's rating was given equal weight when we averaged the final text rating. During an assignment, CPR tracks each student and makes a determination as to how well they performed on the calibrations. <u>From this determination, CPR assigns a weight to each student's reviewing abilities. This weight is used along with the rating to calculate the average rating for a text.</u>

From our previous example: Student A, Student B, and Student C all reviewed Joe Bruin's text. The ratings were as follows:

Student	Rating of Joe Bruin's Text	Reviewer Weight
Student A	7	.92
Student B	6	.75
Student C	2	.65

CPR uses the following formula to calculate the average text rating:

$$\text{Average weighted text rating} = \frac{(7 \times .92^2) + (6 \times .75^2) + (2 \times .65^2)}{.92^2 + .75^2 + .65^2}$$

Average weighted text rating = 5.5

Before we factored in the review weights, Joe's average was 5. Joe's new **"average weighted text rating"** is .5 points *higher*.

3. SCORES AND OVERALL GRADE

Scores and Overall Grade		
Stage	**Performance**	**Score**
Text Entry	Avg. Weighted Text Rating = 5.50	**16.50** out of 30
Calibrations	Avg. Calibration Deviation = 2.00	**15.00** out of 30
Reviews	Avg. Review Deviation = 3.00	**20.00** out of 30
Self-Assessment	Self-Assessment Deviation = 1.50	**10.00** out of 10
Overall Score*		**62** out of 100

This section displays your overall score for this assignment. CPR calculates a final score out of 100. Your can earn points for work done during four different stages of an assignment: text entry, calibrations, reviews, and self-assessment. The instructor determines how many possible points to award to each of these areas.

Text Entry Points are based on the weighted average text rating of your text.

Calibration Points are based on whether or not you mastered the calibrations.

Review Points are based on whether or not your ratings of peer work exceeded the specified deviation.

Self-Assessmpent Points are based on whether or not your self-assessment rating exceeded the specified deviation.

For example, an instructor determines that an assignment will be worth the following points:

Stage	Points
1. Text Entry	30
2. Calibrations	30
3. Reviews	30
4. Self-Assessment	10
Total Points	100

Finally, let us look at Joe's results to see how he did on the assignment.

1. Joe's Text Entry Score
If Joe's text had been assigned a weighted text average of 10, then CPR would assign Joe 30 points.

    Text Entry Score = (average weighted text score x .1) x maximum points
    Joe's Text Entry Score = (5.5 x .1) x 30
    Joe's Text Entry Score = 16.5 points

2. Joe's Calibration Score
If Joe mastered all of the calibrations, then he would receive all of the possible points (in this case, 30 points). Each calibration is worth 10 points. If Joe mastered a calibration only after he retook it, then CPR would assign Joe only 5 points per calibration.

The following table displays Joe's performance on the calibrations. Remember the calibrations are worth 30 points total (10 points each):

Calibration	Performance	Points
Calibration 1 Retake	Mastered	5
Calibration 2	Mastered	10
Calibration 3 Retake	Not Mastered	0

Joe had to retake Calibration 1 before mastering it. CPR assigns half of the possible points to a mastered retake (in this case 5 out of 10). Joe mastered Calibration 2 on his first attempt. CPR assigns all possible points to a mastered calibration (in this case 10 out of 10). Joe had to retake Calibration 3 and did not master it. CPR assigns no points to an unmastered retake (in this case 0 out of 10).

3. Joe's Review Score
See **REVIEWS THAT YOU PERFORMED** for an explanation of the review process.

The following table displays Joe's performance on the reviews. Remember the reviews are worth 30 points total (10 points each) and the allowable deviation is 2.

Review	Deviation	Performance	Points
Review 1	3	Not Mastered	0
Review 2	2	Mastered	10
Review 3	2	Mastered	10

4. Joe's Self-Assessment Score
Students must assign a self-assessment rating that is within the allowable deviation from their average weighted text score to receive all points for the self-assessment stage.

The following table displays Joe's performance on the self-assessment. Remember the self-assessment is worth 10 points and the allowable deviation is 2.

Stage	Rating	Average Weighted Text Rating	Deviation	Performance	Points
Self-Assessment	7	5.5	1.5	Mastered	10