

Name(s)

	4	3	2	1	0	Multiplier	Score	
Heading, Objectives, and Materials	x	x	Heading, objective, and materials are complete and formatted appropriately	Heading, objective, and materials are partially complete or may not be formatted appropriately	Not included or below level 1 performance	x1		
Title	x	x	x	Title is a short phrase that correctly identifies the variables in the experiment or the purpose of the experiment.	Not included or does not meet requirements.	x2		
Procedure	x	x	x	Procedure is properly cited	Not included or incorrectly cited	x2		
Data Tables & Graphs	Includes all required data presented in clearly-organized and correct format; no errors in measurement or calculation	In reference to level 4 performance, has few minor errors	In reference to level 4 performance, has multiple minor errors or one moderate to significant error	In reference to level 4 performance, has some significant errors or too many minor errors to warrant level 2 performance	Not included or has multiple significant errors	x3		
Calculations	Complete and correctly done with thorough labels and units; error analysis correctly included if relevant	In reference to level 4 performance, has few minor errors	In reference to level 4 performance, has multiple minor errors or one moderate to significant error	In reference to level 4 performance, has some significant errors or too many minor errors to warrant level 2 performance	Not included or has multiple significant errors	x2		
Conclusion	Correctly and thoroughly: concludes, supports the conclusion with evidence, and acknowledges experimental error	In reference to level 4 performance, may have minor weaknesses or errors	In reference to level 4 performance, has multiple minor weaknesses or errors or has a few significant weaknesses or errors	In reference to level 4 performance, has some significant errors or too many minor errors to warrant level 2 performance	Not included or has multiple significant weaknesses or errors	x4		
Use of first person point deductions								
Common Comments:						SCALE EQUIVALENT		
AWK: Awkward to the point of not conveying proper meaning						EQUIVALENT PERCENTAGE & SCORE		
VAR: Did not refer to all variables that you calculated or measured.								
EE: Evidence Error - Referred too much or not enough to numbers								
FE: Format Error - Did not follow required format.								
MFE: Major Format Error - Repeatedly did not follow the required format								
PE: Precision Error - Uncertainty is incorrect or missing or precision was incorrect								
Units: Did not use units consistently when calculating								

Calculation: Total points ÷ # of multipliers = scale equivalent; percent conversion available below

SCALE > EQUIVALENT PERCENT CONVERSION

Scale	Percent Conversion	Out of 50 points
4.0	100	50
3.9	99	50
3.8	98	49
3.7	97	49
3.6	96	48
3.5	95	48
3.4	95	48
3.3	94	47
3.2	93	46
3.1	91	46
3.0	90	45
2.9	88	44
2.8	86	43
2.7	84	42
2.6	82	41
2.5	80	40
2.4	78	39
2.3	76	38
2.2	74	37
2.1	72	36
2.0	70	35
1.9	68	34
1.8	66	33
1.7	64	32
1.6	62	31
1.5	60	30
1.4	58	29
1.3	56	28
1.2	54	27
1.1	52	26
1.0	50	25
0.9	45	23
0.8	40	20
0.7	35	18
0.6	30	15
0.5	25	13
0.4	20	10
0.3	15	8
0.2	10	5
0.1	5	3
0.0	0	0