

Project #2 = Binary distillation YouTube problem

	A/B level	B/C level	C or below level	F level	Comments
Video	Video is interesting and clearly related to the problem.	Visual is ordinary or may be related to problem.	Visual is in appropriate and/or not clearly related to the problem.	Little or no attempt.	Videos involving ethanol receive 0 points.
	10 9	8 7	6 5	0	out of 10 points
Problem statement is complete and difficulty is appropriate.	Problem statement clearly identifies a binary distillation problem, includes any necessary equilibrium data or reference to location of data, and three or more questions to be answered.	Problem statement identifies a binary distillation problem, includes some equilibrium data or reference to data, and two questions to be answered.	Problem statement identifies a binary distillation problem, may include equilibrium data or reference to data, and one question to be answered.	Little or no attempt.	Note: Significant figures given in the problem and solution should agree and be an appropriate number. Problems should have 0 degrees of freedom.
	30 - 27	26 - 23	22 - 19	0	out of 30 points
Problem solution is complete, correct, and clearly explained.	Problem solution clearly solves for the correct answers with sufficient diagrams/figures, equations, significant figures, and written explanations.	Problem solution solves for most of the correct answers with some diagrams/figures, equations, significant figures, and written explanations.	Problem solution solves the questions with more than one error and/or lacks information or written explanations.	Little or no attempt.	Note: Significant figures given in the problem and solution should agree and be an appropriate number. Screenshots of spreadsheets/charts are encouraged.
	50 - 45	44 - 39	38 - 33	0	out of 50 points
Professionalism	File is professional formatted including having typed equations. File is named correctly and is in the correct format. Hyperlink to correct video included with problem statement.	File is mostly professional formatted and may include typed equations. File is not named correctly and/or is not in the correct format. Hyperlink incorrect or not included with problem statement.	File lacks professional formatting, which may include being hand written. File is not named correctly and/or is not in the correct format. Hyperlink incorrect and/or not included with problem statement.	Little or no attempt.	
	10 9	8 7	6 5	0	out of 10 points

Total score out of 100 points