

Possible Rubric

Bad Vibrations: Part I

	Excellent		Fair		Poor	Comments
Presentation	Everything is clear, legible, and easy to follow. A report suitable to show a future boss.		A very small part is illegible and/or difficult to follow. This includes if I have to search through pages to find something.		A noticeable portion is illegible and/or difficult to follow.	
#1	Correct answer with some explanation.		Minor error with a reasonable explanation or correct answer with no explanation.		Serious error with a flawed explanation.	
#2	Correct solution with work explained and the question is answered sufficiently.	Minor mathematical error with work explained and the question is answered sufficiently.	Correct solution with work explained, but the question that followed was not answered sufficiently.	Major mathematical error or missing work with a reasonable answer to the question.	Major mathematical error or missing work and the follow-up question was not answered sufficiently.	
#3	Correct answer with work explained.		Understood how to measure displacement, but there was a minor error, incorrect conclusion, or missing explanation.		Did not understand how to measure the size of the displacement from the solution to #2.	

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#4	Correct answer with work explained.		Understood how to measure displacement, but there was a minor error, incorrect conclusion, or missing explanation.		Did not understand how to measure the size of the displacement from the solution to #2.	
#5	It is shown that energy is conserved with sufficient mathematical work and justification.	It is shown that energy is conserved, but some details are missing from the explanation.	Minor mathematical error with sufficient work and justification provided.	It is shown that energy is conserved, but most details and explanation is missing.	Mathematic error led to showing that the energy was not conserved.	
#6	Both questions answered with sufficient explanation.		Both questions answered, but explanations were weak.		Did not correctly justify one or both statements.	
#7	Found the correct DE and showed work.	Found the correct DE but some key details are missing.	Minor error or no work shown.		Major error.	
#8	Correct solution with sufficient work shown.	Correct solution without sufficient work shown or incorrect initial-values used.	Minor math error with work shown or correct solution with no work shown.	Minor mathematical error without sufficient work shown.	Major mathematical error.	
#9	Correct answer with thorough (mathematical and physical) explanation.	Correct answer with some missing (mathematical or physical) explanation.	Correct answer with very little explanation.	Correct answer with no explanation.	Incorrect answer.	