

Quizbit Individual Rubric

	<u>Rubric item</u>	<u>Description</u>	<u>Points</u> (Circle One)
Completeness	Relevant physics	High level Uses relevant physics in solution attempt	6
		Mid level Some, but not all physical concepts used are relevant to the situation	4
		Low level Physical concepts are mentioned	2
	All parts attempted	High level All parts of problem have significant effort shown	6
		Mid level Some parts of problem have significant effort shown	4
		Low level Some parts of problem are started	2
Clarity of Communication	Legibility	High level All parts of solution are legible	6
		Mid level Some parts of solution are hard to read	4
		Low level Significant parts of solution are hard and/or impossible to read	2
	Format	High level Solution is highly organized and leads the reader through from start to finish in a logical, easy to follow manner	6
		Mid level Solution is mostly organized, but it is necessary to hunt for important pieces	4
		Low level Path of solution is hard to follow. Important pieces of solution are scattered and unlabeled.	2
Total:			

Quizbit 2 Group Rubric

	<u>Rubric item</u>		<u>Description</u>	<u>Points</u> (Circle One)	
Completeness	Relevant physics	High level	Uses relevant physics in solution attempt	6	
		Mid level	Some, but not all physical concepts used are relevant to the situation	4	
		Low level	Physical concepts are mentioned	2	
	All parts attempted	High level	All parts of problem have significant effort shown	6	
		Mid level	Some parts of problem have significant effort shown	4	
		Low level	Some parts of problem are started	2	
Clarity of Communication	Legibility	High level	All parts of solution are legible	6	
		Mid level	Some parts of solution are hard to read	4	
		Low level	Significant parts of solution are hard and/or impossible to read	2	
	Format	High level	Solution is highly organized and leads the reader through from start to finish in a logical, easy to follow manner	6	
		Mid level	Solution is mostly organized, but it is necessary to hunt for important pieces	4	
		Low level	Path of solution is hard to follow. Important pieces of solution are scattered and unlabeled.	2	
Correctness	Part (1) and (2) - Correct answers	High level	2 points for every correct answer. With 8 correct answers, this is worth a total of 16 points.	up to 16	
	Part (3) - Q1(a) Reasoning	High level	A force analysis is used to show $F = 3T$. Explains how work is calculated and how they would have a factor of 3 difference in work from F vs. T.	4	
		Mid level	Some force analysis, but there are errors or inconsistencies. Discussion of work.	3	
		Low level	Some attempt at comparing the work but lacking a real force analysis.	2	
	Part (3) - Q2(f) Reasoning	High level	Shows that spring force and potential are both max when displacement is max. Connects the force to acceleration via 2nd law.	4	
		Mid level	Same as high level, except some missing elements or not a complete logical path to the solution.	3	
		Low level	There is an attempt to compare the two but significant elements are missing.	2	
	Total:				