

# Quizbit Individual Rubric

	<u>Rubric item</u>	<u>Description</u>	<u>Points</u> (Circle One)
<b>Completeness</b>	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
<b>Clarity of Communication</b>	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
<b>Total:</b>			

# Quizbit 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 (a)	High level	Connects speed, distance, and time. Points towards what quantities are equal. Correctly determines same amount of time.	6	
		Mid level	Has some, but not all, of the elements of a high level solution.	4	
		Low level	At least one of the pieces needed to form a correct solution.	2	
	Part (b)	High level	Connects speed, distance, and time. Points towards what quantities are equal. Correctly determines same amount of time. Can build off part (a).	6	
		Mid level	Has some, but not all, of the elements of a high level solution.	4	
		Low level	At least one of the pieces needed to form a correct solution.	2	
	Part (c), and (d)	High level	Clear evidence of the conundrum that ball B travels a longer distance but will be going faster along the bottom of the dip.	6	
		Mid level	Some discussion about longer distance <b>OR</b> faster speed.	4	
		Low level	Any discussion of speed, distance, time, h, or w.	2	
	Part (e)	High level	Clear evidence that the answer of who wins the race depends on both h and w. Correctly uses parts (c) and (d) to point to different answers depending on h/w.	6	
		Mid level	Some discussion about longer distance and faster speed. Some correct conclusions, but not fully seeing that it depends on h and w.	4	
		Low level	Any discussion of speed, distance, time, h, or w.	2	
	Total:				