

Student Worksheet Scoring Rubric

	Exemplary (9-10)	Accomplished (6-8)	Developing (3-5)	Beginning (1-2)	Score
Data selection	The T(t) graph meets all four criteria in the self-rubric (see worksheet).	The T(t) graph meets three criteria in the rubric.	The T(t) graph meets two criteria in the rubric.	The T(t) graph meets Less than two criteria in the rubric.	
Data analysis	<ul style="list-style-type: none"> The T(t) graphs are appropriately labeled. The data table is completed. The data is consistent with the screenshot. The calculations are accurate and in the correct unit. 	One of the "exemplary" conditions is not met.	Two of the "exemplary" conditions are not met.	More than two of the "exemplary" conditions are not met.	
Conclusion	<ul style="list-style-type: none"> The pattern identified from the data table is correct and relevant. The pattern identified from the T(t) graph is correct and relevant. The evaluation of the hypothesis is correct. The evaluation of the prediction is correct. 	One of the "exemplary" conditions is not met.	Two of the "exemplary" conditions are not met.	More than two of the "exemplary" conditions are not met.	
Explanation	The evidence supports the claim. The reasoning is coherent and logical. A molecular-level model is constructed and consistent with scientifically accepted views of the phenomenon. There is a clear connection between the microscopic model and the macroscopic phenomenon.	The evidence supports the claim. The reasoning is mostly coherent and logical, with only minor ambiguities. A molecular-level model is constructed and largely consistent with scientifically accepted views of the phenomenon. There is some connection between the microscopic model and the macroscopic phenomenon.	The evidence is either irrelevant to the claim or inaccurately represented. The reasoning is at times incoherent or ambiguous. A molecular-level model is constructed but deviates from scientifically accepted views of the phenomenon. Connection between the microscopic model and the macroscopic phenomenon is unclear.	One or more components of the CER table is missing. There is no molecular-level model or any connection to the macroscopic phenomenon.	

Total score: