Light: Interaction with Matter and Applications

Teacher Name:

Student Name: _____

CATEGORY	4	3	2	1
Were the graphs matched with the wavelength	All of the wavelengths were with the corresponding graphs	At least two or the wavelengths were with the corresponding graphs	Only one of the wavelengths was matched appropriately	None of the Graphs were matched correctly
Reasoning behind decision	The student showed an exceptional knowledge of theories involved	The students reasoning was correct with minor errors.	The student showed some understanding of the theories but did not explain them thoroughly	The student displayed little knowledge of the theories.
Basic Requirements for a graph	The graph had units, labels of axis, a legend, a title, as well as looking very neat.	The student was missing one key requirement but was still well done.	The student is missing several requirements for the graph but has at least two key areas.	The students graph does not display more than one key requirements.
The shape of the graph	The maximum absorbance is less than 1, and all of the requirements are met with no errors.	The student was missing one of maximum absorbance is less than 1, and all of the requirements	There were errors in the graph but the basic shape was met.	The student did not meet the guidelines of the graph.
The EM question	Student mentions three different EM wavelengths and explains their uses correctly.	Student mentions three different EM wavelengths but explains two of the three correctly	Student mentions two different EM wavelengths and explains them correctly	Student does not mention three different EM wavelengths and explains the ones