**Quantum Mechanical Model Rubric**

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|  | **4** | **3** | **2** | **1** |
| Clarity of Presentation | Model effectively shows energy levels and subshells in three dimensions. | Model clearly shows energy levels and subshells in three dimensions with limited confusion. | Model shows energy levels and subshells though model is relatively confusing. | Model is not effective in showing energy levels and subshells. |
| Overall accuracy of model. | The model accurately represents the chosen element with the correct number and location of subatomic particles. | Model is mostly accurate with only 1-2 errors. | Model is relatively accurate with 3 or more errors. | Model does not accurately represent the chosen element. |
| Accuracy of Model in showing correct subshells and orbitals in appropriate energy levels. | The number of subshells is equal to the energy level for each level and each subshell has the appropriate number of orbitals. | Model is mostly accurate with only 1-2 errors. | Model is accurate with 3 or more errors. | Model is inaccurate in its representation of subshell and orbital number and location. |
| Accuracy of Model in showing correct assignment of electrons in orbitals. | All electrons are assigned to proper orbitals and subshells | Electrons are accurately assigned with only 1-2 errors | Electrons are assigned somewhat accurately but with 3 or more errors. | Model is inaccurate in its electron locations. |

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