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| **Criteria** | **4 points**  | **3 points**  | **2 points**  | **1 point** |
| **Introduction** | Has all required elements: title, purpose, hypothesis, prediction, and variables.  | Has most of the required elements.  | Has 2 or 3 of the required elements. | Has 0-1 of the required elements.  |
| **Methods** | Includes all materials, and is easy to follow, well written. Experiment could be replicated using these instructions. | Includes materials and does a pretty good job explaining procedure, only a few errors.  | Has materials listed and an attempt at describing procedure, but is unclear, or disorganized, and hard to follow. | Lacks either materials, a complete procedure, or both. Hard to follow. Would not be able to replicate experiment using these instructions. |
| **Graph** | 1. Labels are neat and clear and accurately describe the information graphed.2. Dependent variable is on the Y, Independent on X.3. Units are included, and 4. Axes are correct and the increments even. 5. All bars are correctly sized and easy to see. A ruler was used. | Has 3-4 of the required elements  | Has 2 of the required elements. | Has 0-1 of the required elements.  |
| **Conclusion** | Easy to follow, well written. Competently explains why small cells are more efficient – that although rate is the same, a small cell has a larger surface area as compared to volume so materials diffuse completely through the cell in a shorter amount of time. Uses correct vocabulary. | Does a pretty good job explaining surface area and volume, but doesn’t mention rate. | Is unclear, or disorganized, and hard to follow. Vocabulary: “Surface area : volume ratio” is not used as an explanation for why small cells are more efficient at diffusion.  | Conclusion is incorrect, missing, or so poorly worded that it is not clear that the student understands the lab. |
| **Overall Poster** **Appearance** | Exceptionally well designed, neat, attractive. Correct spelling, capitalization, and punctuation. Colors complement. A ruler was used. | Somewhat neat and relatively attractive. A ruler was used. Some errors in spelling, punctuation, or capitalization. | Many errors in spelling, punctuation, or capitalization, appearance is acceptable although could use a little more care / time. | Appears messy or hurried, or unfinished. Many errors. Poster shows little sign of effort. |