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|  | **Beginning** | **Developing** | **Accomplished** | **Exemplary** | **/50** |
| **Presentation/Format** | o Frequent, obvious grammatical and spelling errors that confuse the reader o The work appears sloppy and unorganized. It is hard to know what information goes together.o Report is missing sections | o Some distracting grammar and spelling errors which do not create confusion o The work is presented in an organized fashion but may be hard to read at times. | o Minimal grammar and spelling errors o The work is presented in a neat and organized fashion that is *usually* easy to read. | o Grammar and spelling correct throughout o Title/headings are neatly underlined with ruler o The work is presented in a neat, clear, organized fashion that is easy to read. | /5 |
| **Scientific Concepts** |

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| o Report illustrates inaccurate understanding of scientific concepts |  |

 | o Report illustrates a limited understanding of scientific concepts | o Report illustrates an accurate understanding of most scientific concepts | o Report illustrates an accurate and thorough understanding of scientific concepts | /5 |
| **Evidence** | o Diagrams are difficult to understand or are not used. | o Diagrams are somewhat difficult to understand. | o Diagrams are clear and easy to understand. | o Diagrams are clear and greatly add to the reader's understanding of the procedure(s). | /5 |
| **Problem Solving** | o Report rarely uses an effective strategy to solve problems. | o Report sometimes uses an effective strategy to solve problems, but does not do it consistently. | o Report uses an effective strategy to solve the problem(s). | o Report uses an *efficient* and effective strategy to solve the problem(s). | /10 |
| **Physics Reasoning** | o Little evidence of physics reasoning to determine fault. | o Some evidence of physics reasoning to determine fault. | o Uses effective physics reasoning to determine fault. | o Uses complex and refined physics reasoning to determine fault. | /10 |
| **Expert Testimony** | o Presentation is missing or unclear | o Presentation is not well organized, rehearsed and/or does not use visual elements effectively. | o Presentation is somewhat organized, rehearsed and uses effective visual elements. | o Presentation is well organized, rehearsed and uses visual elements effectively to enhance viewers understanding. | /10 |
| **Conclusion** | o Report conclusion is missing, unclear and not based on scientific reasoning or evidence. | o Report conclusion is not clear and/or comprehensive. Some parts may not be based on scientific reasoning or evidence. | o Report conclusion is complete and scientific reasoning and evidence support most parts. | o Report conclusion is complete and supported solely on scientific reasoning and evidence.  | /5 |