**Student:**  **Period:** **Date:** **Assignment:**

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| --- | --- | --- | --- | --- |
|  | **3** | **2** | **1** | **0** |
| **IDENTIFY** | Student is able to restate problem in own words & is able to clearly identify what (s)he knows and needs to know. | Student is able to restate the problem & has an understanding of what (s)he knows and/or needs to know. | Student is able to restate problem but is not able to identify what (s)he knows or needs to know. | Student did not restate the problem, state the information given, or state information needed to obtain. |
| **HYPOTHESIZE** | Student is able to identify all formulas/equations necessary to solve the problem & devise a written plan with specified steps to solve the problem. | Student is able to identify formulas/equations that student believes to be relevant to the problem & devise a plan of action to solve the problem. | Student is able to identify formulas/equations that student believes to be relevant to the problem but student is not able to devise a plan to solve the problem. | Student is not able to identify formulas/  equations needed to solve the problem or devise a plan to solve the problem. |
| **CALCULATE** | Student uses all formulas/equations needed appropriately & follows his/her devised plan.  Student work has no errors. | Student is able to use formulas/equations identified & follow his/her devised plan.  Student work may contain some minor errors. | Student uses non-linguistic representation procedure or  Student accesses information given to fill out chart/table/formula/  equation/graph.  Student work has major errors. | Student does not attempt to solve the problem  or  Student does not show any work. |
| **DEFEND** | Student applies a formula to check solution & explains why the check helps to defend the solution uses appropriate terminology. | Student applies a formula to check solution but does not explain why the check is sufficient. Student defends solution by applying some of the appropriate terminology. | Student attempts to defend solution but is not able to clarify the meaning of the check with appropriate terminology. | Student does not defend solution.  Student leaves section blank. |