*Directions: Replace the text in [brackets] with your own words. Use your lab findings.*

**Section I: Overview of Findings**

This section provides your audience with a snapshot summary of what you discovered in your investigation and how you did the work.

*Example with Language Supports:*

The purpose of the lab was to *[insert your objective].* The materials we used for the investigation included: *[list your materials].* We performed the investigation by *[summarize in 1 or 2 sentences was you did].* We shared the work by *[explain how you shared].*

**Section II: Claim**

This section states in one or two sentences the relationship between the variables that you tested OR the identity of an unknown substance.

*Example with Language Supports:*

We think that our unknown metal(s) is/are *[insert the metal’s name and chemical symbol].* We based this claim on our evidence, specifically our calculation of the experimental specific heat (c) of our unknown metal, which was *[insert your calculated value for c ~~form~~ from the back side of the lab sheet].*

**Section III: Evidence**

This section shows your evidence clearly, which may include a data table, detailed sketches with labels and detailed observations (e.g., sound change, color change, bubbles, etc…)

*Example with Language Supports:*

Data Table of Evidence:

|  |  |
| --- | --- |
| Mass of metal (g) |  |
| Mass of water (g) |  |
| Initial temperature of water (°C) |  |
| Initial temperature of metal (°C) |  |
| Final temperature of water and metal (°C) |  |
| Specific heat of unknown metal  c = q/[~~m~~~~metal~~~~r T~~~~metal~~ ~~]~~ q/[mmetal ∆Tmetal ] | c = |

**Section IV: Reasoning**

This section connects your evidence to your claim using analysis (e.g., calculations such as percent error and equations), graphs, logic and established scientific principles.

*Example with Language Supports:*

Our evidence [*does / does not]* support our claim because the theoretical specific heat value of *[our metal’s name]* is *[insert theoretical specific heat value from the textbook].* The percentage of error is *[insert the value that you calculated from the lab sheet].* This makes sense because *[name the relevant scientific law or theory about energy – look in your notes if you need a refresher]* tells us *[summarize what the law/theory says].*