

23.5: Analysis

1. In general, which showed the greater temperature change when combined and isolated, the metal samples or the cold water. Explain why this happened.
2. Describe any possible sources of error that may have occurred during your investigation.
3. Based on the chart of specific heat capacities below, which of your metal samples would you expect to have the smallest change in temperature? Which metal would you expect to have the largest change in temperature?

Table 23.5.1: Chart of specific heat capacities

Material	Specific Heat Capacity (J/kg°C)
Aluminum	900
Brass	380
Copper	387
Iron or Steel	452
Lead	128
Tungsten	134
Zinc	390
Water	4186

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