

Name:

Surname:

**Report of experiment 2**

**Introduction**

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**The objective of the experiment**

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**If the results of the experiment are recorded in the table answer the following questions**

Mass of Cold Water $m_1$ (g)	Mass of Hot Metal $m_2$ (g)	Temperature of Cold Water $T_1$ (K)	Temperature of Hot Metal $T_2$ (K)	Equilibrium Temperature $T_{f(\text{exp})}$ (K)
300.59	30.44	294.9	331.4	295.5

**1. Calculate the specific heat of the metal ( $C_{\text{metal}}$ )**

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**2. Calculate the  $Q_{\text{lost}}$ .**

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**3. Calculate the  $Q_{\text{gained}}$ .**

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**4. Conclusion**

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