

Name:

Surname:

Group:

Report of experiment 4

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

Experiment	Mass of Water m_1 (g)	Temperature of Water T_1 (K)	Mass of Ice m_2 (g)	Temperature of Ice T_0 (K)	Equilibrium Temperature T_f (K)
Ice	200.21	289.3	41.8	273	277

1. Calculate the heat of fusion of ice

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2. Calculate the latent heat of fusion of ice.

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3. Compare the experimental and theoretical values.

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4. Calculate the enthalpy of fusion of the ice.

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5. Predict the reaction type, and justify.

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6. Conclusion

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