

## Report of experiment 5

**Name:**  
**Surname:**  
**Group:**

## Introduction

.....  
.....  
.....  
.....  
.....  
.....  
.....

## **Objective of the experiment**

---

---

---

---

---

---

---

---

---

---

## Materials

## Chemicals

---

---

---

---

---

---

---

## **Method of work**

---

---

---

---

---

---

- #### **1. Record the obtained results in a table.**

Mass of NaOH	Mass of HCl	Mass of mixture HCl+NaOH (g)	Initial Temperature $T_1$ (K)	Equilibrium Temperature $T_{eq}$ (K)

## **2. Calculate the number of moles.**

.....  
.....  
.....  
.....  
.....

**3.** Calculate the heat released by the reaction Q<sub>1</sub>.

.....  
.....  
.....  
.....  
.....  
.....

**4.** Calculate the  $\Delta H_{\text{neutralization}}$ .

A decorative horizontal separator consisting of five thin, light-grey dotted lines.

### **5. Predict the reaction type and justify**

.....  
.....  
.....  
.....  
.....

6. Write the equation reaction with the enthalpy change.

.....

## 7. Conclusion

.....  
.....  
.....  
.....  
.....