**REPORT**

**EXERCISE 7**

**Heat Balance**

**NAME:** **GROUP:**

**DATE OF EXERCISE:**

**I. Problem 1**

**1. Objective of the exercise  
…**

**2. Table 1 – Data  
…**

**3. Table 2 – Calculated values  
…**

**4. Calculations  
…**

**5. Conclusions**

**…**

**II. Problem 2**

**1. Objective of the exercise  
…**

**2. Table 3 – Data  
…**

**3. Table 4 – Calculated values  
…**

**4. Calculations  
…**

**5. Conclusions**

**…**

**III. Problem 3**

**3.a**

**1. Objective of the exercise  
…**

**2. Table 5 – Amounts of undissolved salt recorded in the Virtual Lab program and calculated solubility of the salt  
…**

**3. Calculations  
…**

**4. Graphs of the solubility of the studied salts as a function of temperature  
…**

**5. Conclusions**

**...**

**3.b**

**1. Objective of the exercise  
…**

**2. Table 6 – Determination of the heat of salt dissolution  
…**

**3. Calculations  
…**

**4.Conclusions  
…**

**3.c**

**1. Objective of the exercise  
…**

**2. Table 7 – Change in water temperature through the addition of salt  
…**

**3. Calculations  
…**

**4. Conclusions**

**…**