

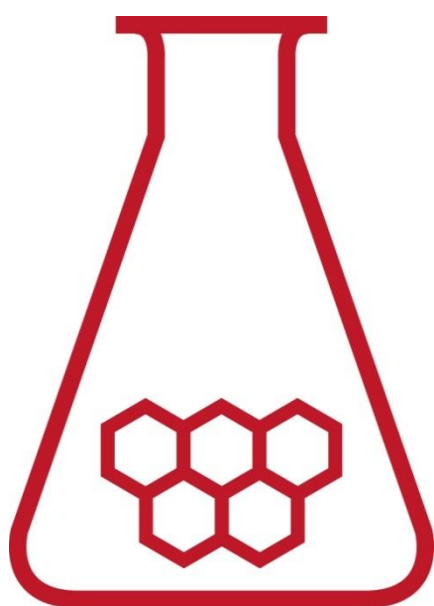
# 47<sup>th</sup> National Chemistry Olympiad

Utrecht University

**PRACTICAL EXAM**

Answer sheets

Tuesday 9 June 2026



**SCHEIKUNDE  
OLYMPIADE**



**Universiteit  
Utrecht**

  
58th International  
**Chemistry Olympiad**  
Uzbekistan 2026

Name:

<b>Answer sheets for the practical exam</b>
<b>Experiment 1</b>
<i>Question 1</i>
<i>Question 2</i>
<i>Question 3</i>
<i>Question 4</i>
number of mL of alcohol                    .....
number of mL of triethylamine           .....
number of mL of acid chloride           .....

**Name:**

<b>Question 5</b>
<b>Question 6</b>
mass of the empty round-bottom flask                    .....
mass of the round-bottom flask with ester                .....
<b>Question 7</b>

**Name:**

<i>Question 8</i>

**Name:**

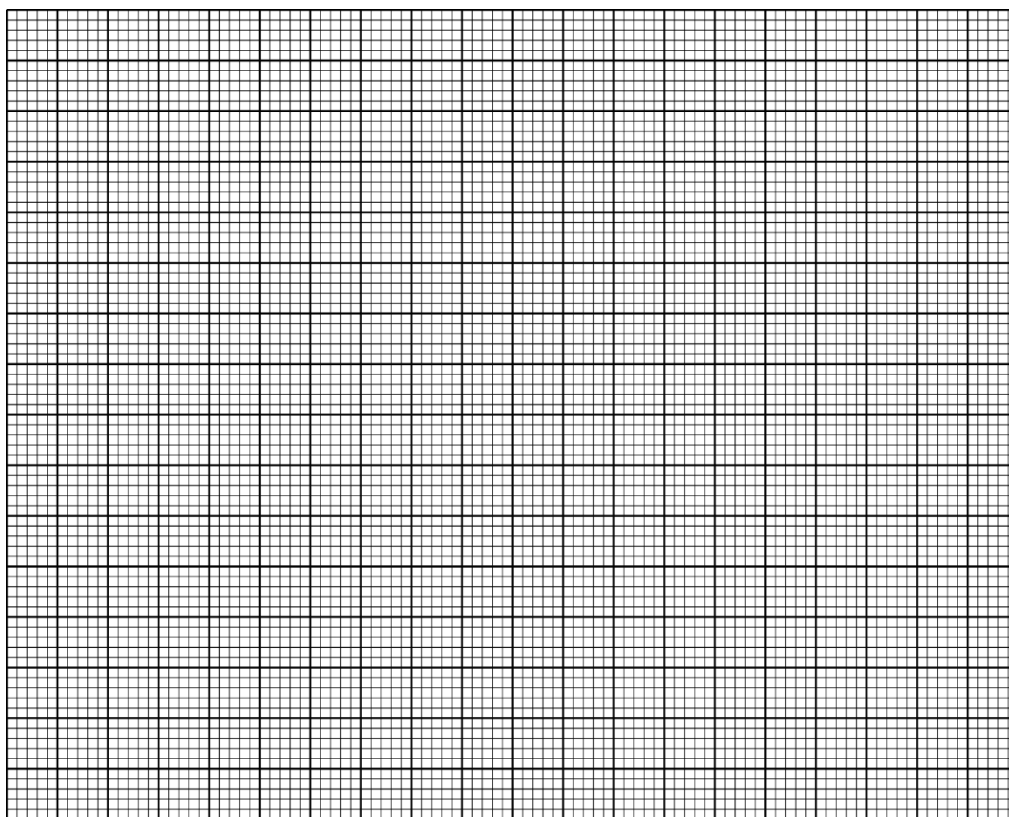




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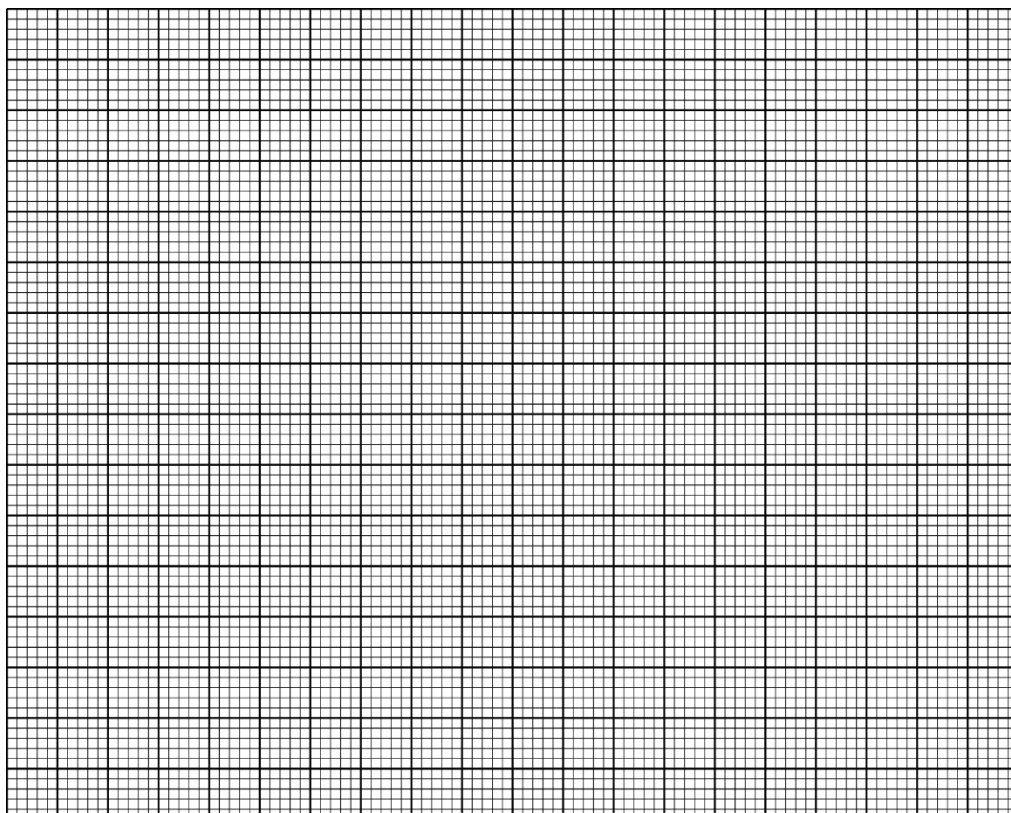
*Question 11*

first titration



**Name:**

second titration



**Name:**

*Question 12*

*Question 13*

**Name:**

**Question 14**

calculation of the pH after adding 5.0 mL caustic soda

calculation of pH at equivalence point