

45 minutes are available

INSTRUCTIONS:

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- 1) Blank A4 paper sheets are needed. Use a dark (blue or black) pen. (For drawings, if needed, you can use a dark pencil.)
- 2) Prepare your answers in handwritten form on separate pages for each question. Make sure that your handwriting is readable.
- 3) Write your name and code and the Nr. of question on each page. You don't have to repeat the question!
- 4) When finished, you must scan or photograph all the pages. The highest resolution quality is preferred.

Please don't send me separate photos as separate files!

One single PDF file is to be submitted by email!

The single PDF file must have a given name: "3rd-test-NAME(CODE).pdf"

5) Submission: one single PDF file is to be submitted by email to "sudajenomiklos@gmail.com"

6) Only short text in the email subject is needed = "3rd midterm, NAME, CODE")

7) Submission deadline: **9:30h** (27th of April 2021, TUE)

3rd MID-TERM QUESTIONS:

Nr.	Questions	maximum available points
1.	Give a general overview of the condensation process to treat polluted gas streams.	4 points
2.	Give a general overview of the chemical waste gas treatment (combustion).	4 points
3.	Explain the processes to decrease the NO _x content of waste gas streams including the chemical reactions taking place.	5 points
4.	Explain the role of chemical reactions to treat environmental problems, give the chemical reaction, the chemical equilibrium constant and explain its role in treating environmental problems using chemical absorption.	3 points
		Σ max.16 points