

## Possible test questions

1. Give a general overview of the condensation process to treat polluted gas streams.
2. Give a general overview of the adsorption process to treat polluted gas streams.
3. Give a general overview of the chemical waste gas treatment (combustion).
4. Using schematic figures illustrate and explain the possibilities and importance of heat recovery in chemical waste gas treatment.
5. Write a material and a heat balance on the combustor (after-burner), determine the fuel demand and explain the effect of the different operational parameters on the (specific) fuel demand.
6. Give a general overview of the biological waste gas treatment.
7. Explain the processes to decrease the  $\text{NO}_x$  content of waste gas streams including the chemical reactions taking place.