

## Question 21 (7 marks)

Evaluate the impact of industrial sources of sulfur dioxide and nitrogen oxides on the environment, making use of appropriate chemical equations.

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Since the industrial revolution, the higher content of gaseous sulphur dioxide and nitrogen oxides (nox), has had a negative impact on the environment.

In many European countries the instance of sulphur dioxides and nox's is so high, that it dissolves in the atmosphere, in water droplets, and falls as acid rain. This solution of acid rain, contains  $H_2SO_3$  and  $H_2NO_3$ , which kills vegetation, and is destroying pine forests.

The equations involved are:

