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## **HISTORICAL PATTERNS OF THE NATURAL GAS USAGE IN THE CHEMICAL INDUSTRY**

### **Summary**

It is given the importance of the chemical industry for scientific and technological progress, enhanced the scientific and historical views of the natural gas usage for the chemical processes. Analyzed the value of compounds that are derived from methane. The application of the natural gas as a raw material in the chemical and energy technologies.

Natural gas usage as a raw material for the synthesis of chemical compounds allowed to obtain a large number of the synthetic products. It is considered the new technological, technical and economic solution for building new businesses and industries. It is given efficient use of human resources, the sharp reduction in capital costs, lower production costs. It is established a significant decrease in food raw material. It is shown manufacture of wide range of synthetic substances and materials on impossible scale using previous raw materials and energy.

It is proved that the rapid growth in natural gas recovering in Shebelinka in big quantities and at low cost helped to turn Kharkiv Administrative Region into the one of the centers of mining and recovering of natural gas.

The development of the chemical industry based on the use of natural gas as a raw materials and energy led to the significant step in the scientific and technical progress in the mid 50-ies of XX century.

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