

**TRACE ELEMENTS IN VORONEZH ANTECLISE
MANTLE PYRITES: INDICATIVE CAPACITIES
APPLICABLE FOR RECONSTRUCTION OF
SEDIMENT FORMATION ENVIRONMENT**

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The paper gives a review of a study of trace element content in the Voronezh anteclise pyrites. A number of exogenous factors have been defined that conditioned particular features of pyrite chemical composition. The well-marked positive correlation of a series of lanthanoids' parameters has been revealed in pyrites and their host rocks. This correlation demonstrates the possibility to refer to diagenetic pyrites as indicator minerals for definition of faces environments of sediment formation.