????? (???. *granum*: ????), ????????? (????????) ????????? ????? ?????????? ????, ??????? ????????? ???????????? ????? ??????? ????????? (SiO_2 >65 ???.%). ?????????? ?????????? **?.** ?? ??????. **?.** ?? ???????? ?? ?????? (20–60 ????.%), ???????? ????????? (????????, ?????????) ? ??????? ?????????? (?????-?????????), ??? ?????? ?????????, ??? ?? ??????, ???????, ???????? ? ????? ???????? ???????? ???????? ????????. ??????? ? ???? ?????? ?????????, ????, ????? **?.**, ???????? ? ?????????????????? **?.**, ??????????? ? ???????. **?.** ???????? ???????? ????????????-??????? ????????? ? ??????? ????????. ???????? ?????? ??????????? **?.** ???? ???????? (?????? ?????? ??????????? ??????), ??????? (???????? ???????????? ????), ??? ? ????????, ???????? ? ???????? (????????? ???? ?????????? ??????). **?.** ?? ????? ? ?????? ???? ????????????? ?????????, ? ????????? ?? ???. I-??? (??????? ???????? ?????????? ?????; ?? ???. *igneous*), S-??? (??????? ???????? ???????????; ???. *sedimentary*), ?-??? (??????? ???????? ?????????? ???????; ???. *mantle*) ? A-??? (??????? ? ?????????? ?????????; ?? ???. *anorogenic*). **?.** ?? ?????????????????? ? ????????????? ????, ??? ???????? ??????? ????? ??????? ?????????? ? ????????. **?.** ????????? ??????? ?? ????? ? ????? ??????????, ???. ????????????? ???????? (?????????????). ??? ??? ?? **?.** ??????? ? ?????? ???????????? ??????, ? ?????? ????? ????? ????? ??????? ????? ?????????????, ??????????, ????????????? ? ??????????????????. ??????????? **?.** ??????????? ? ???????????? ???????? ????????? ? ???????? (????? ??????), ???????? ???????, ??? ? ? ???????? ?????, ?????????, ???????, ?????? ? ????? ??????? (??????? ??????). ?????????? **?.** ?? ????????? ??? ???? ???? ??? ????????? ? ??????????, ??? **?.** ?????????? ???????? ????????? ?????? ????, ??????, ????????? ? ??????. **?.** ?? ?????? ????????? ??? ??????????? ? ????????????? ?????. ??? ??????? ????????? **?.** ??????? ?? ?????????? ????? ???? ??????? ???? ?? ????? ? ????????? ?????? (???. ???? ? ???????). **?.** ?? ????????? ? ???? ?????? ?????? ???????, ??? ??? ?? ?????? ? ??????? ????????? (????????, ?????????), ????? (??????, ???????), ?????? (??????, ??????) ? ??.

??????????: ?. ????????, ?. ????????, ?. ???????????, *?????? ???????????*, ?? 1991; R. W. le Maitre ? ??., *Igneous Rocks: A Classification and Glossary of Terms: Recommendations of the International Union of Geological Sciences, Subcommission on the Systematics of Igneous Rocks*, Cambridge 2005.

??????? ?????????

*????? ?? ???????? ? 1. ????? III ???? ?????? ????????????? (2018)

???????? #2
???????? 19 januar 2024 09:09:31 o? Admin
????????? 21 maj 2025 10:53:27 ?? ?????????? ???????