



Laboratory tests

Soil mechanics	Rock mechanics
Identification - unit weight of soil - unit weight of solid particles - water content - organic content - grain size distribution - Atterberg limits - Proctor test - CBR test (CBR 1-2-3)	Identification - unit weight of rock - unit weight of solid particles - water content - carbonate content - abrasiveness test (LCPC method) - abrasiveness test (Cerchar method) - measurement of the velocity of sound - measurement of acoustic emissions
Strength tests - unconfined compression - vane test - triaxial compression UU, CU, CD - triaxial compression with stress specific paths	Strength tests - unconfined compression - indirect tension (Brazilian test) - triaxial compression - creep (unconfined or triaxial) - point load test
Direct shear test - Casagrande - Geonor	Direct shear test - with constant normal stress - with variable, controlled normal stress
Odometer test - standard - under deviator	Swelling test - Huder-Amberg - free swelling - swelling pressure
Permeability test - constant head - variable head	Permeability test - diverging flow - converging flow
	Hydraulic fracturing test