













	Magnification	Resolution	Depth of field	Sample	Other
Basic optical microscope	10-1000x	1- <u>0,2</u> μm	2-0,2 μm	Flat (polished, etched)	Inexpensive, Reflectivity, FTIR, Rama
Scanning electron microscope	10-200000x	1-100nm	1 mm – 0,1 mm	Usually electrically conductive	<b>Vacuum,</b> EDS, WDS, EBSD, CL, EBIC
Transmission electron microscope	>600000x	0,15-0,3 nm	n. 20 nm	Very thin	Vacuum, Diffraction, EDS, EELS
microscope Other method	XRD, X XRF, R	: <b>SCA)</b> , AES, (RR, <b>aman</b> , AAS, S (TM, μXCT			EDS, EEL











































































































