

# Solo Lab Write-up

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1. Characterize the microstructure of materials using optical microscopy
  - a. mount, polish, etch inorganic
  - b. knowledge of optical microscopy
  - c. analysis of grain size and phase distribution
  
2. characterize crystal structure with xrd
  - a. knowledge of symmetric x-ray diff
  - b. analyze xrd scans for phases, planes, planar spacings, and lattice parameters, electronically and manually