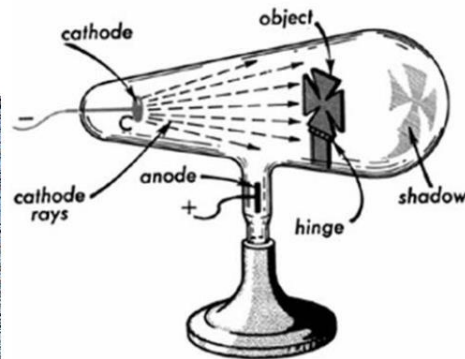


형광 X선 분석법 [X-ray Fluorescence Analysis]



뢴트겐의 음극선 실험, X-ray 발견 (1895)



Elvatech ElvaX ProSpector

휴대형 합금 분석기



EDXRF
Handheld Alloy Analyzer

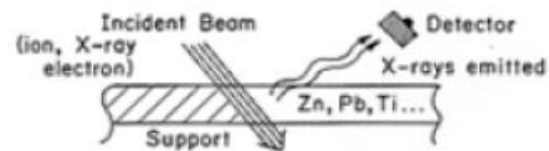
Elvatech 휴대형 합금 분석기

DELTA
Dynamic XRF

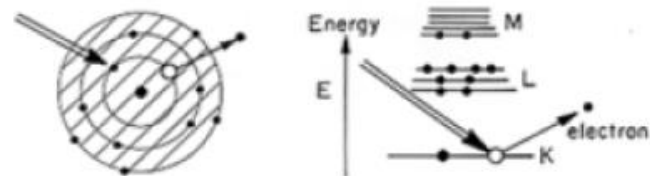
A NEW BREED OF
HANDHELD XRF



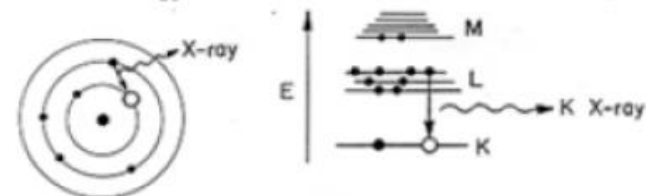
Ion-, Electron- and X-ray-Induced X-ray Analysis



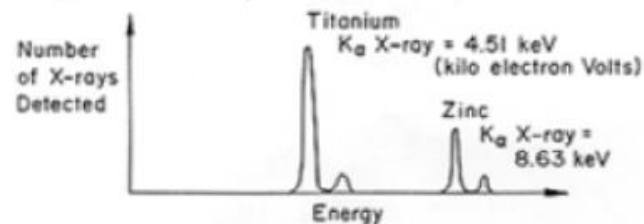
- Incident particle knocks electrons out of the occupied states around the atom leaving empty states (vacancies)

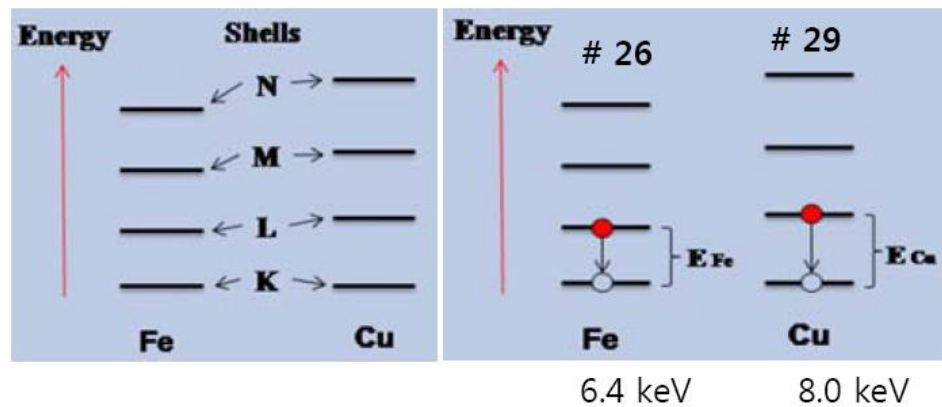
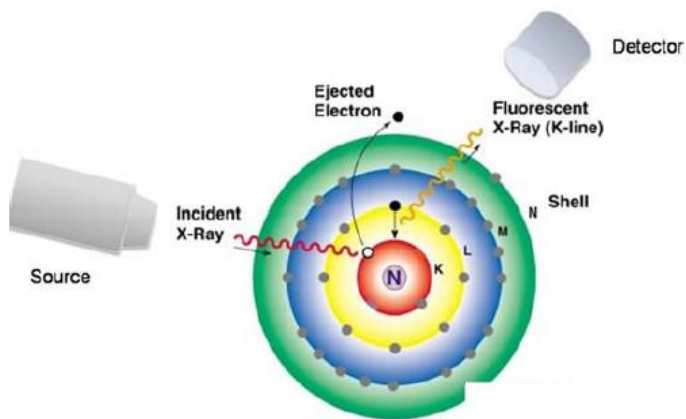
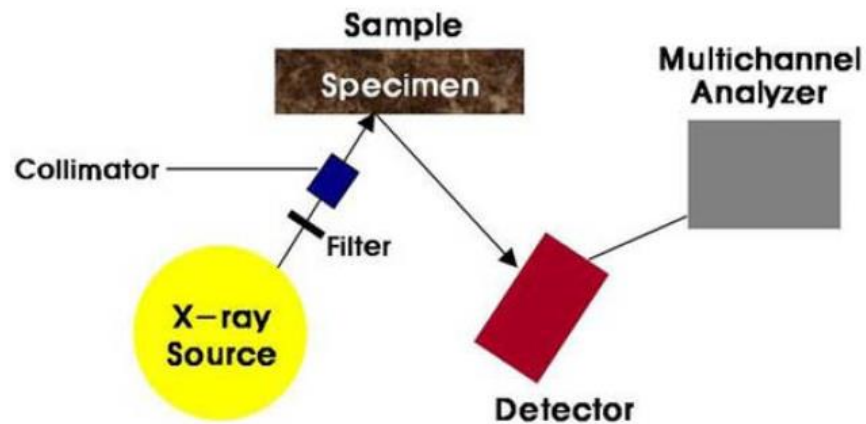


- Electron in occupied state makes transition to unfilled vacancy. X-ray is emitted to conserve energy.



- Energy of the X-ray identifies the atom





- Chemistry = X-Ray Fluorescence (XRF)
- Mineralogy = X-Ray Diffraction (XRD)

