

SOME USEFUL SUBSTANCES FOR X-RAY POWDER WORK

CUBIC CLOSE-PACKED

Cu

Al DIFFERENT LATTICE CONSTANTS, SAME STRUCTURE,
 DIFFERENT INTENSITIES (SCATTERING FACTOR)

HEXAGONAL CLOSE-PACKED

Zn, Ti

NOTICE DIFFERENT EXTINCTIONS.

Zinc

CUBIC BODY CENTERED

Mo, W

NaCl, KCl CHANGE IN IONIC RADIUS

CaF₂

Al₂O₃ MORE COMPLICATED STRUCTURES, SOME WITH LOWER
 SYMMETRY, GOOD EXAMPLES TO PRACTICE INDEXING.

SiO₂

TiO₂

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USEFUL INFORMATION FOR X-RAY EXPERIMENT

JHR