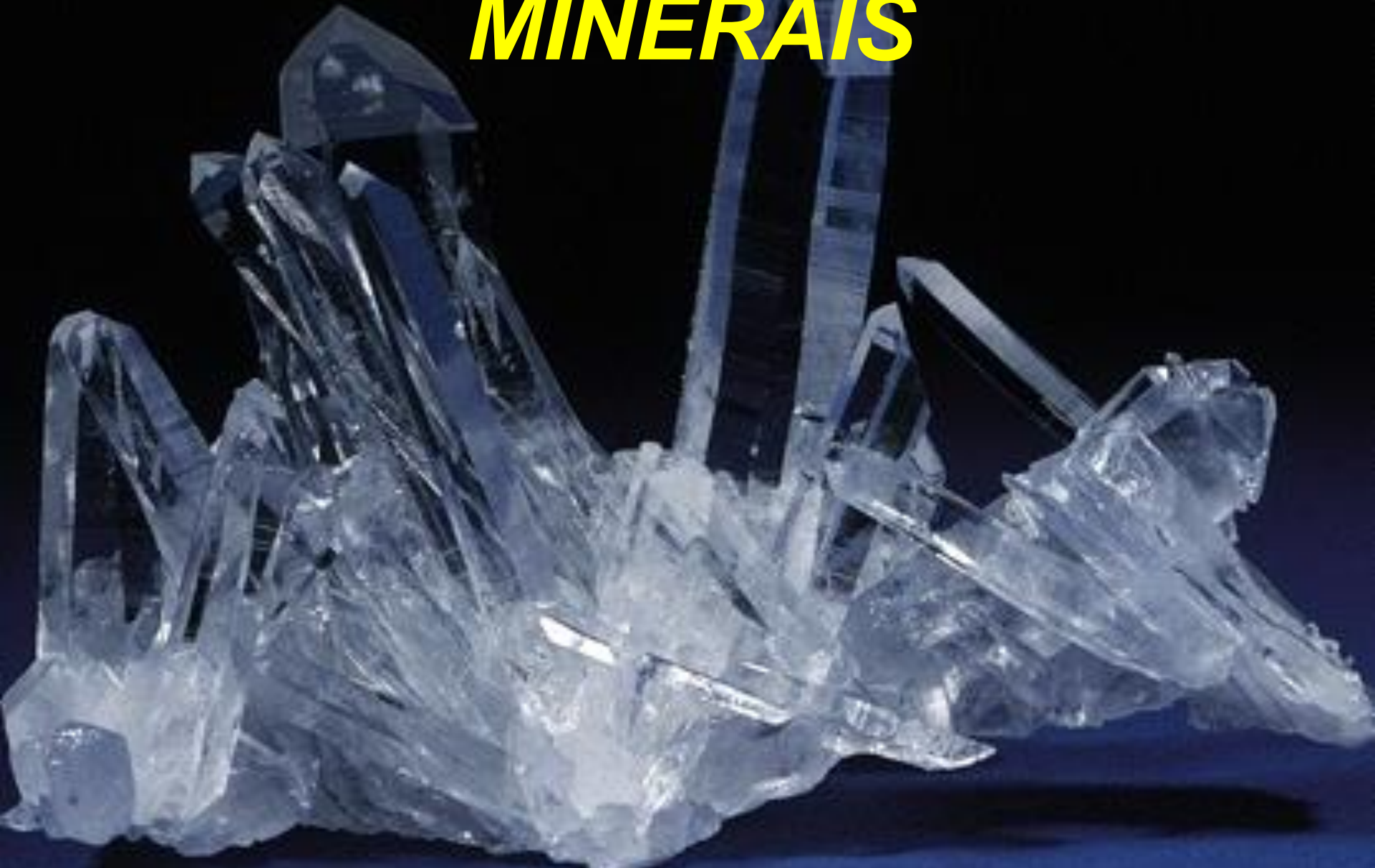


PROPIEDADES DOS MINERAIS



PROPIEDADES MORFOLÓGICAS

FORMA-HÁBITO



Cristais individuais

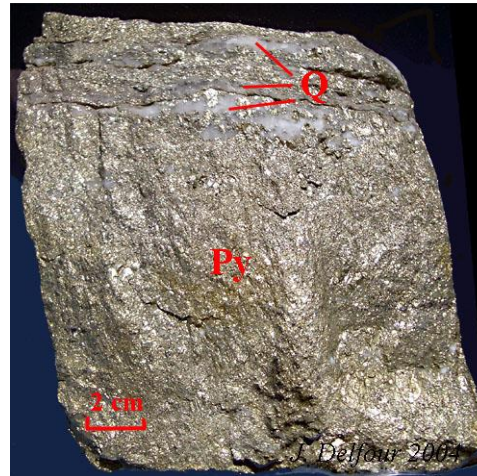
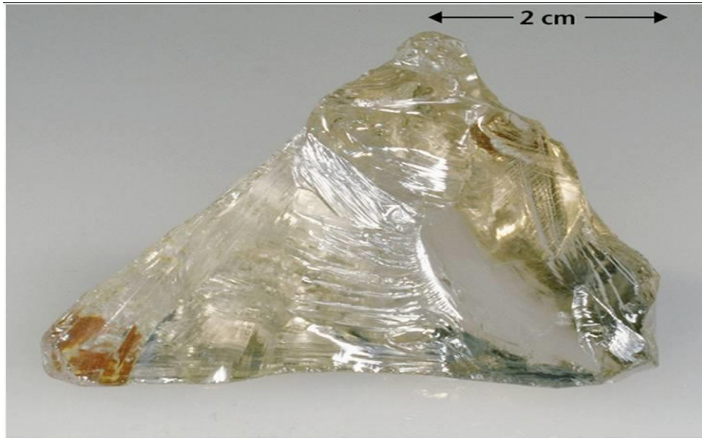


**Agregados
cristalinos**

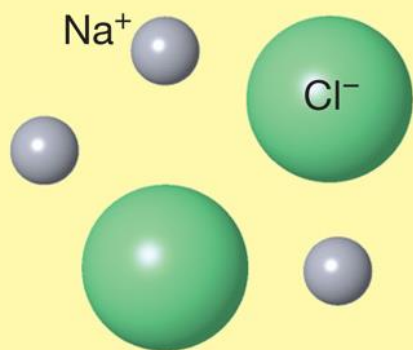
Cristal: sólido con estructura cristalina



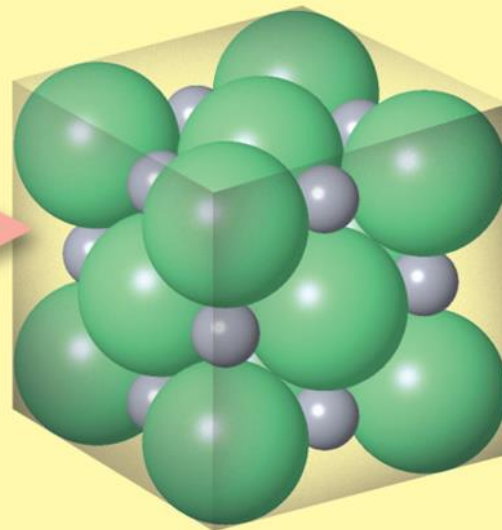
Idiomorfos



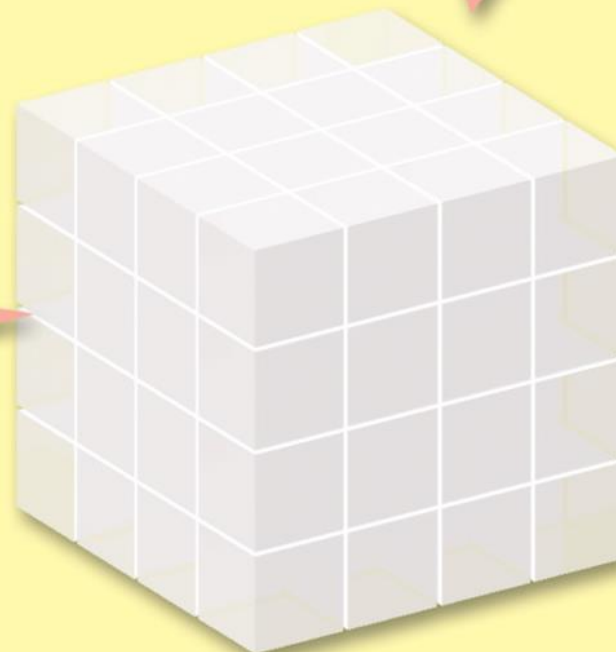
Alotriomorfos



Ións Cl⁻ e Na⁺



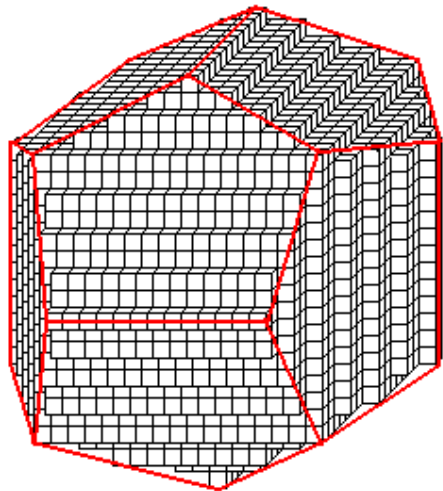
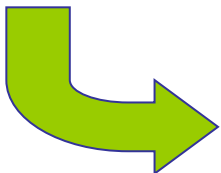
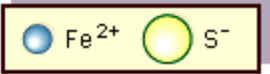
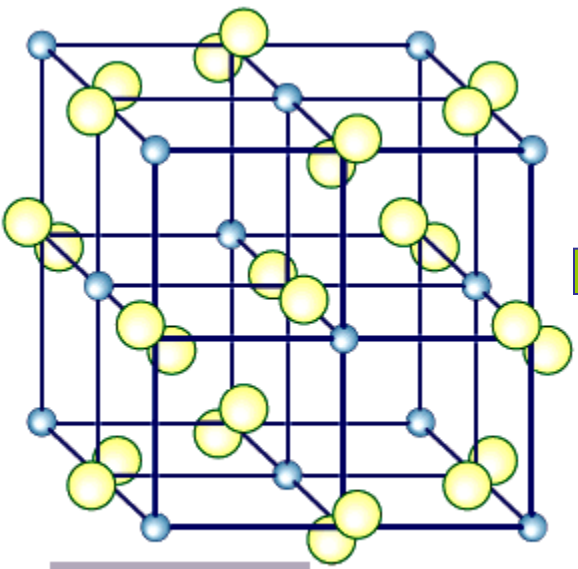
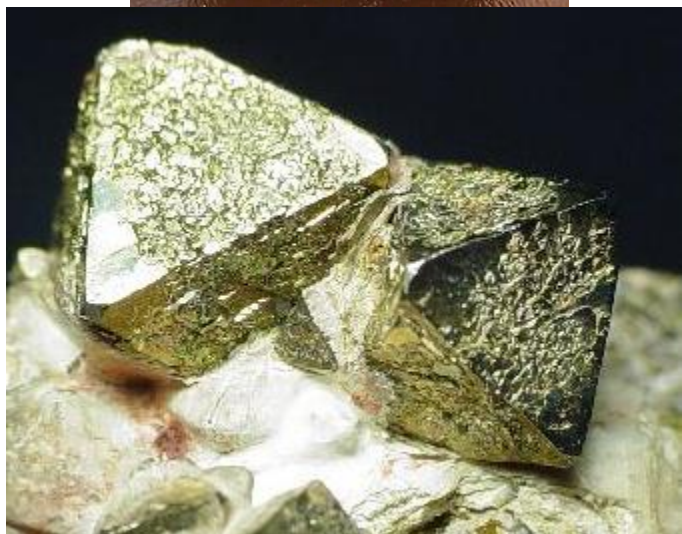
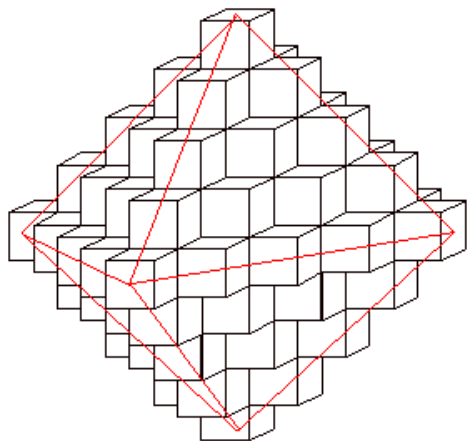
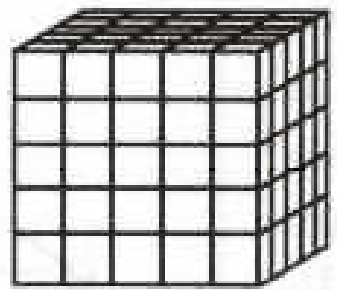
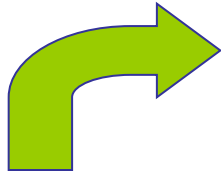
Celda unidade



Apilamento de celdas unidade: rede cristalina



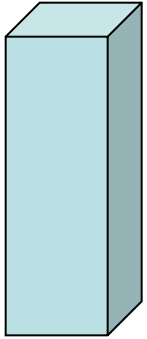
Cristais visíveis



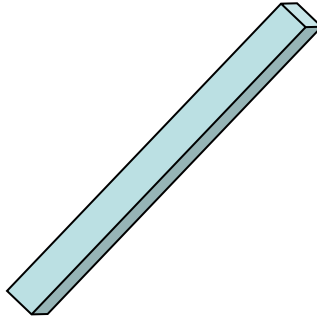
Celda unidade

HÁBITO CRISTALINO

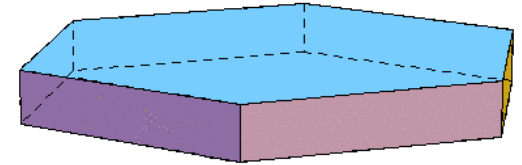
Prismático



Acicular



Tabular



AGREGADOS CRISTALINOS



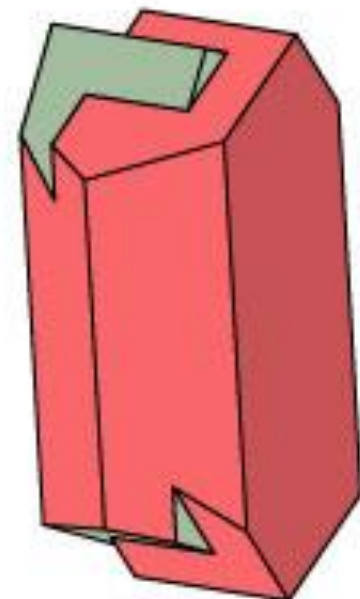
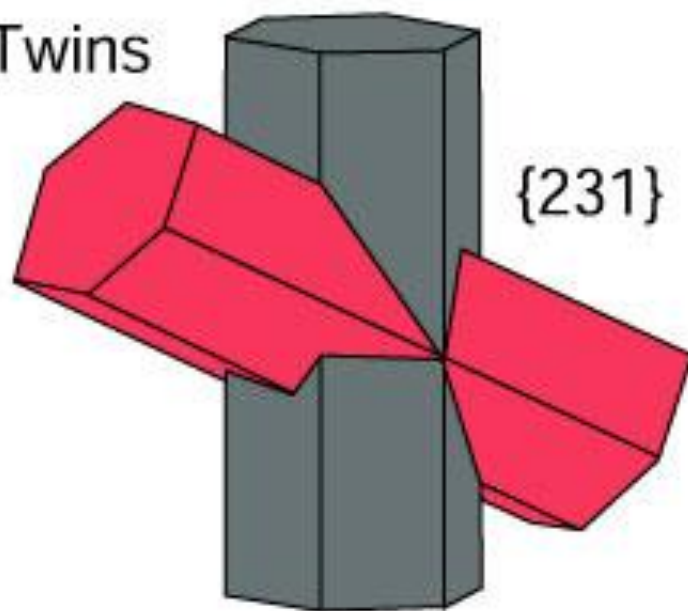
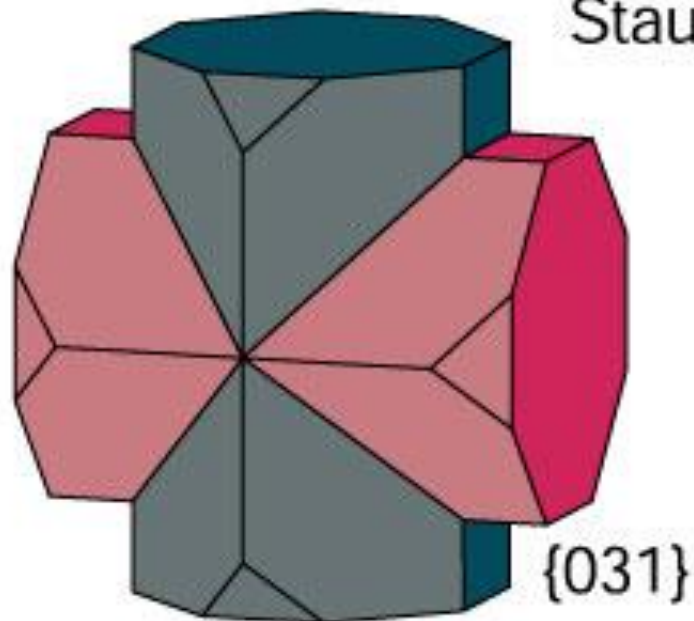
IRREGULARES



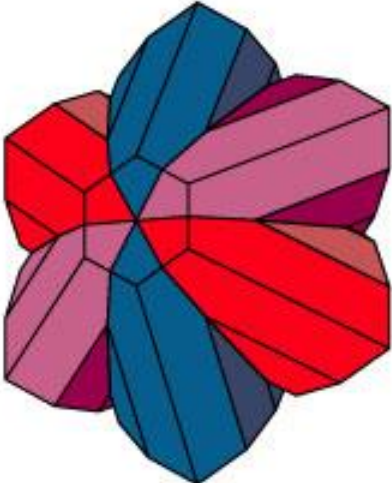
MACLAS

Penetration Twins

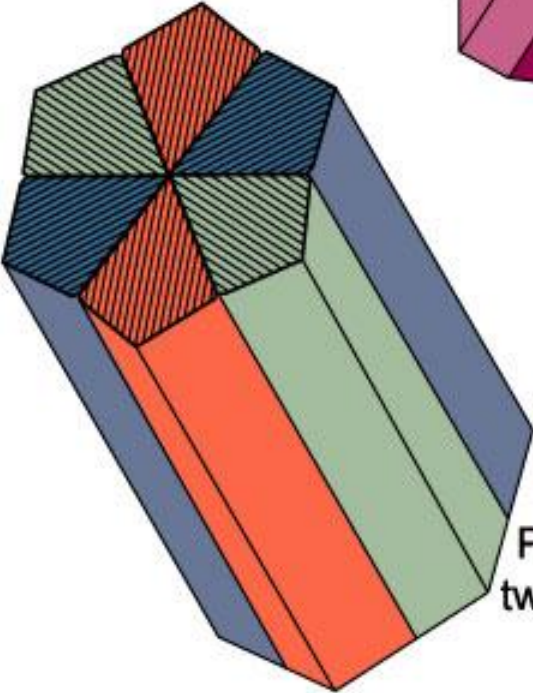
Staurolite Twins



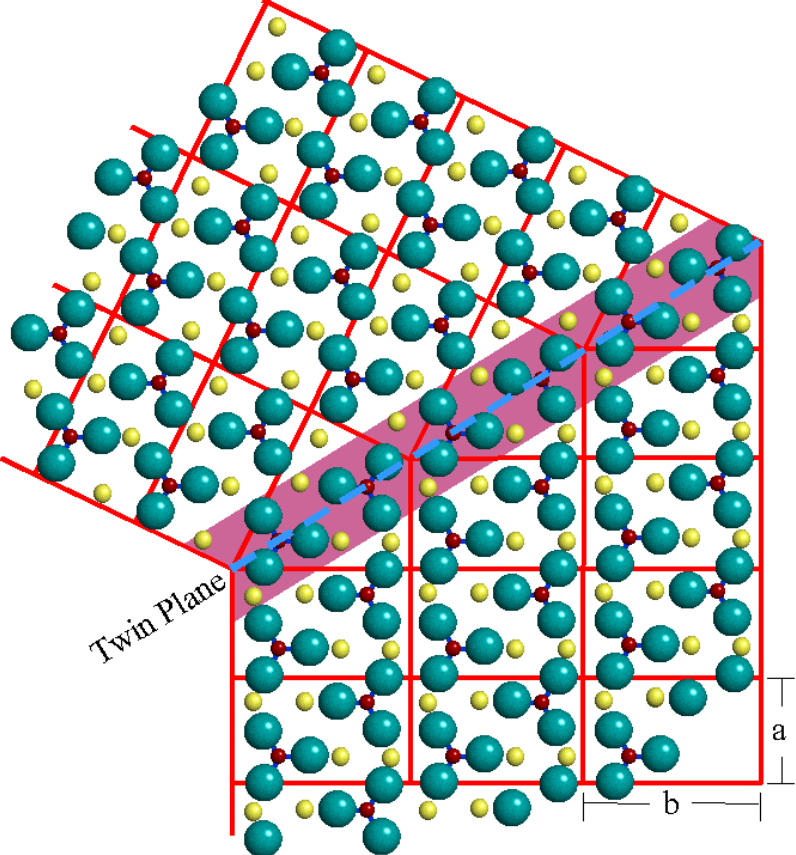
Cyclic Twins



Chrysoberyl



Pseudo hexagonal twin of orthorhombic Aragonite



AGREGADO DENDRÍTICO



Pyrolusita dendrítica

DRUSA



AGREGADO FIBROSO



Asbesto ? Amianto? Crisotilo?



**R
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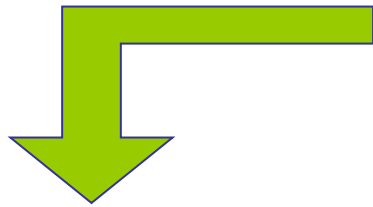


X
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A

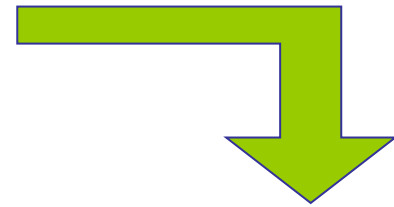
PROPIEDADES MECÁNICAS

EXFOLIACIÓN - FRACTURA

EXFOLIACIÓN

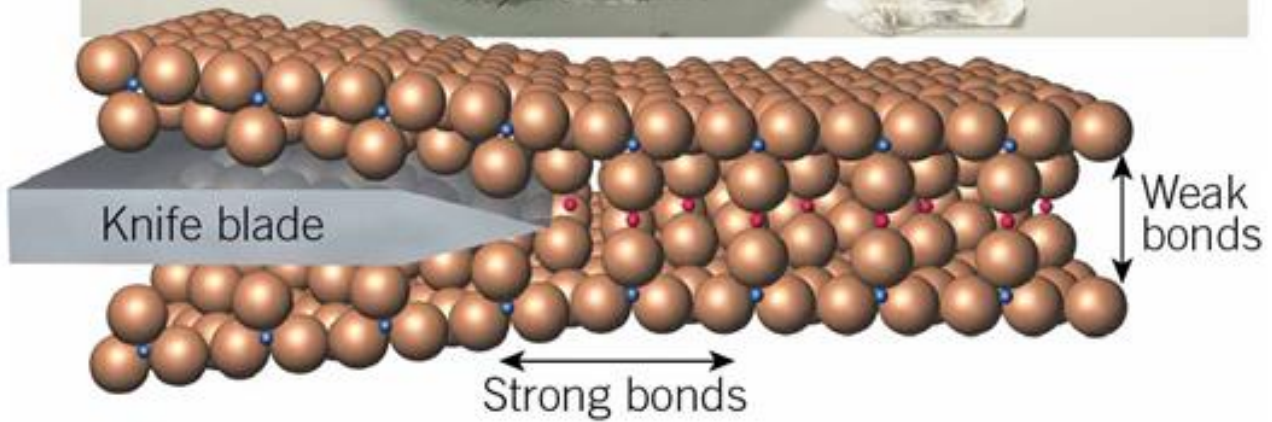


FRACTURA

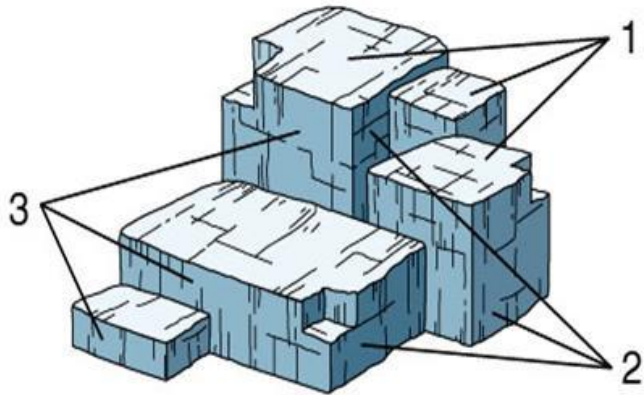


EXFOLIACIÓN NUN PLANO: LÁMINAS

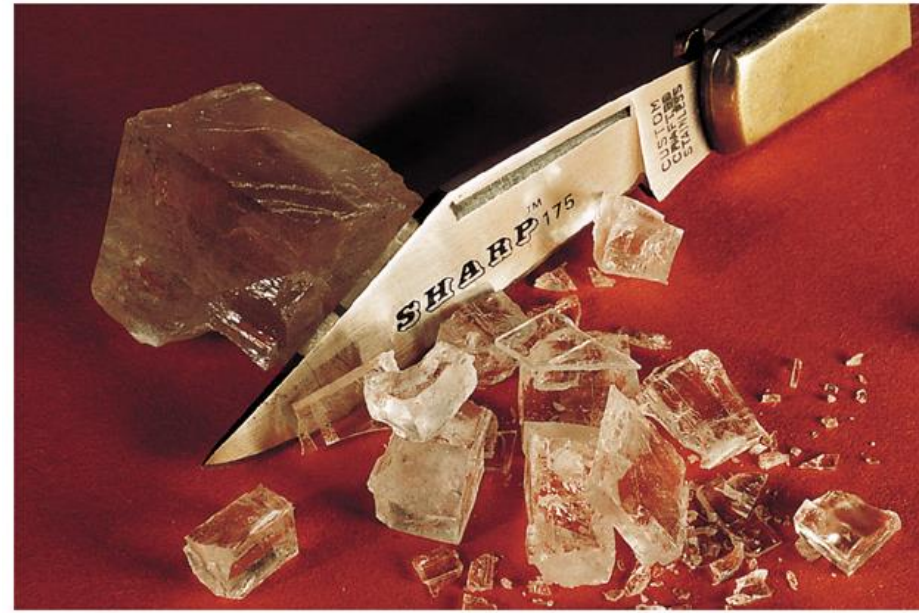
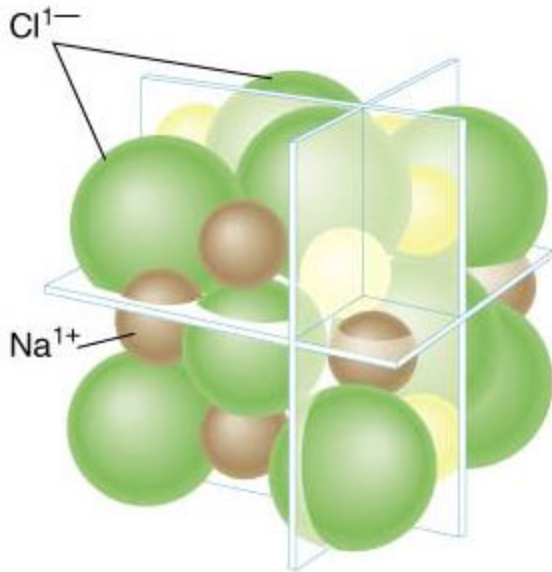




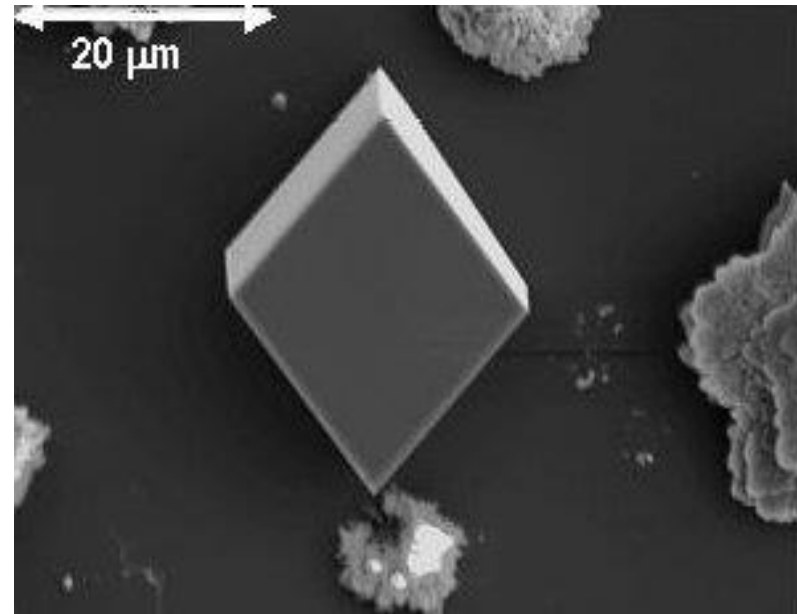
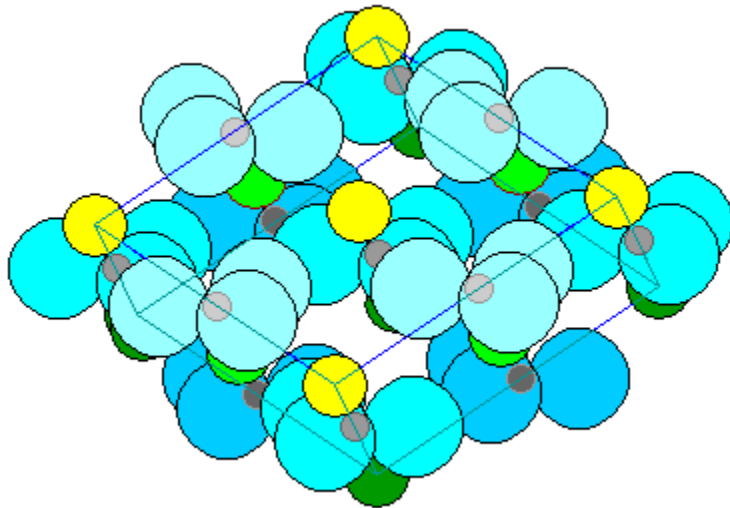
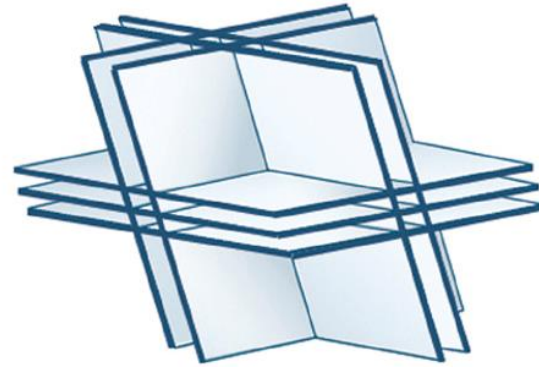
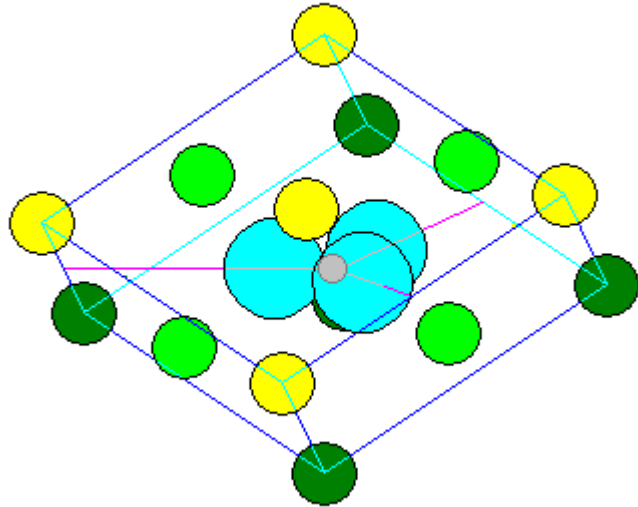
TRES PLANOS PERPENDICULARES

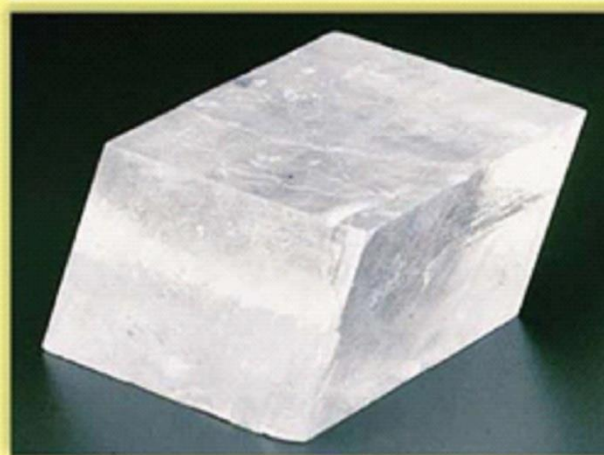
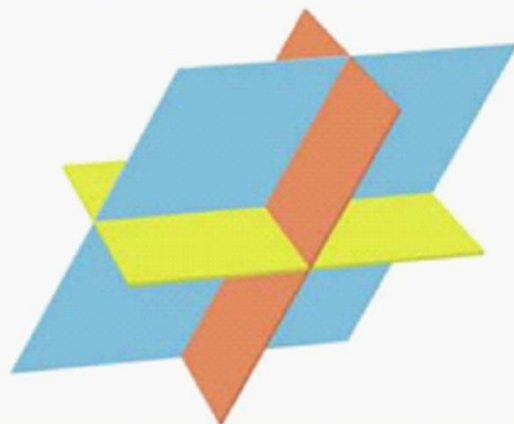
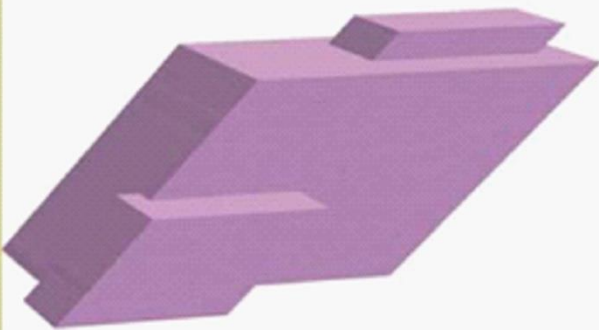
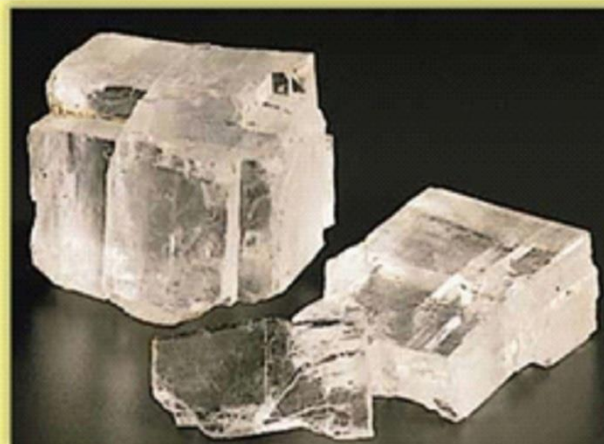
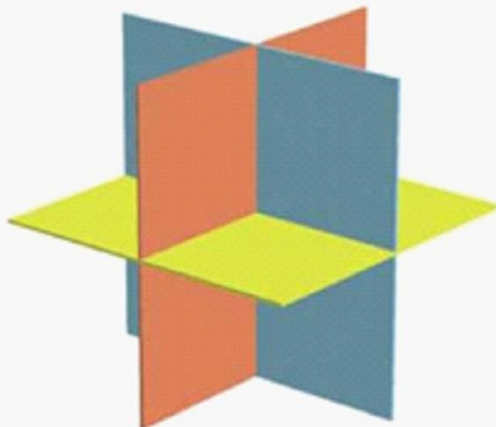
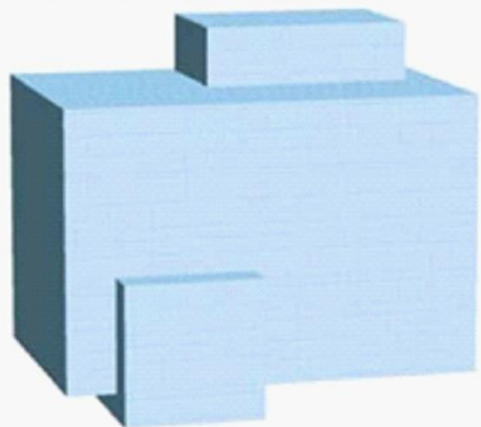
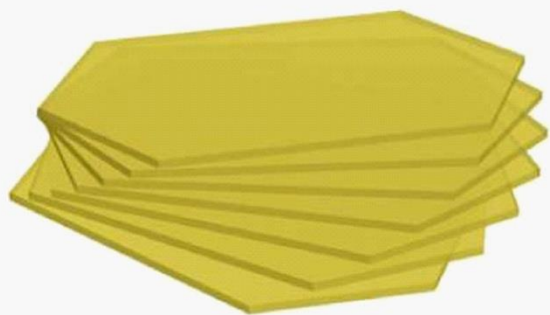


D



TRES PLANOS NON PERPENDICULARES







?

FRACTURA



A. Irregular fracture



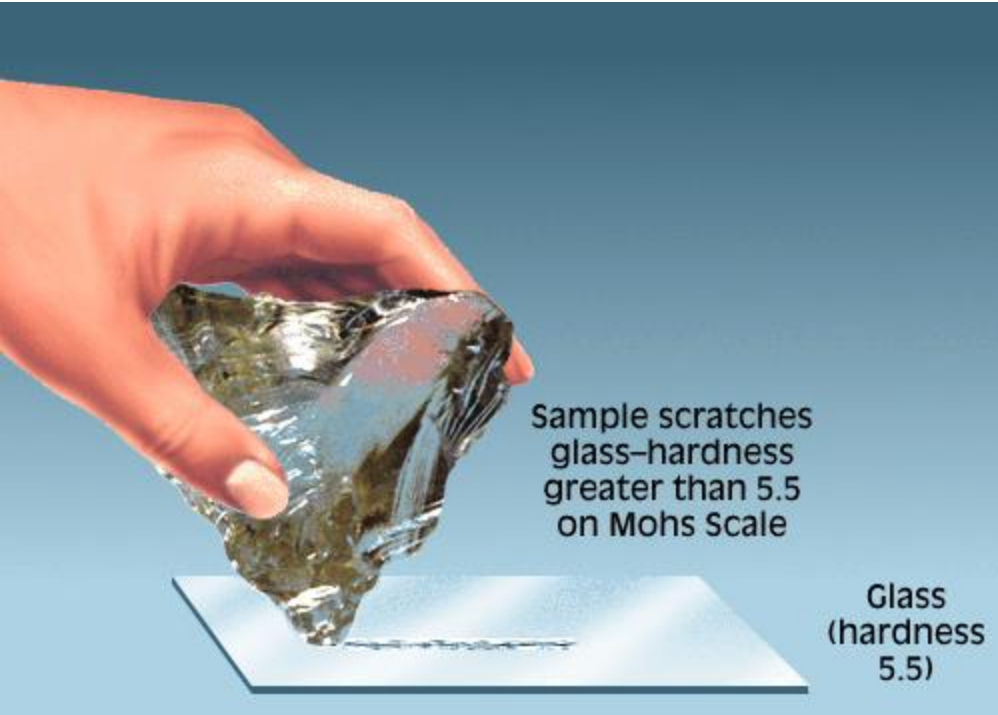
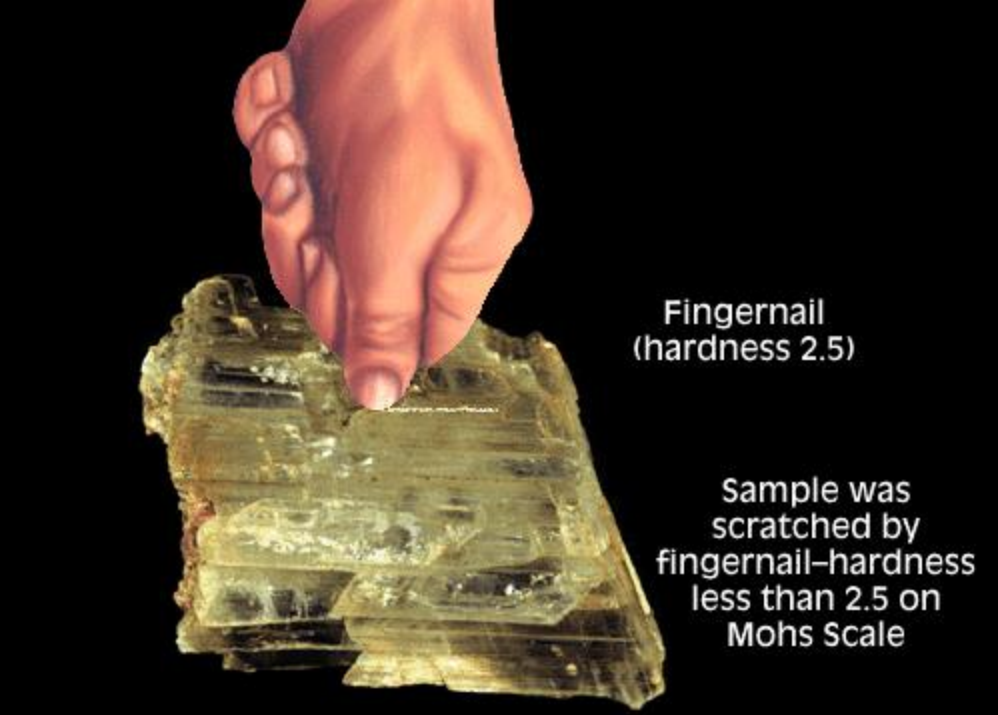
B. Conchoidal fracture



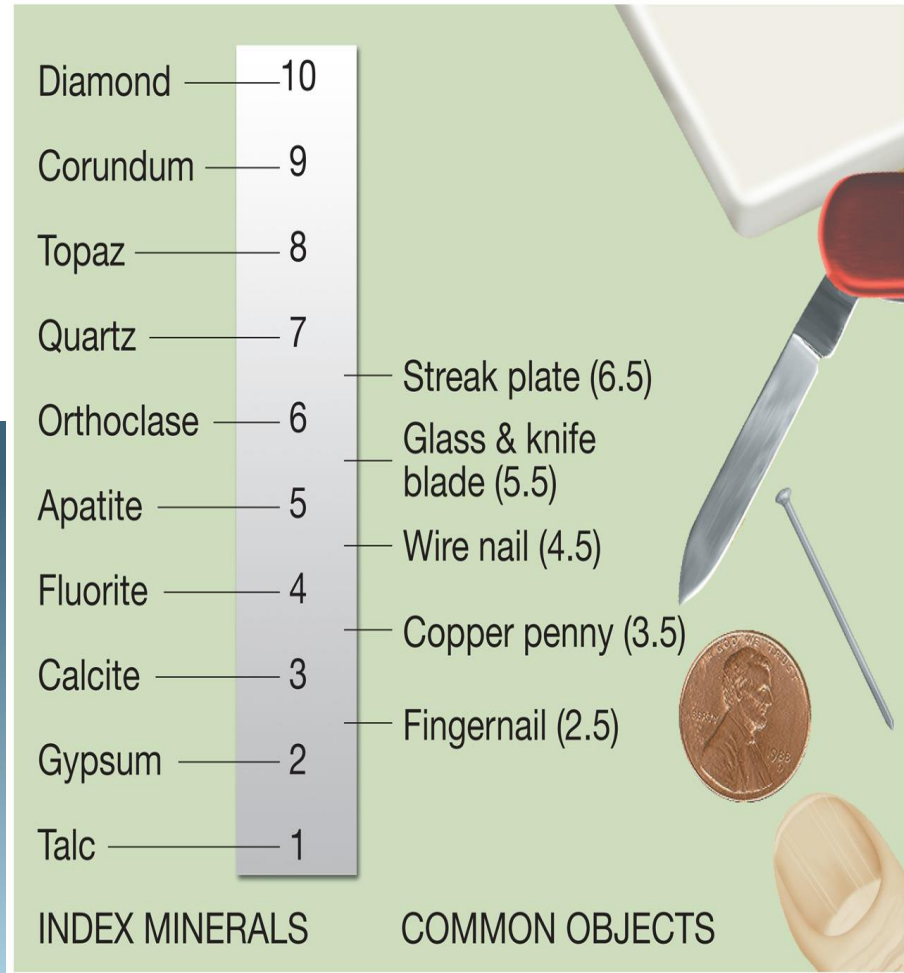
DUREZA: ESCALA EMPÍRICA

A. Mohs scale (Relative hardness)





A. Mohs scale (Relative hardness)

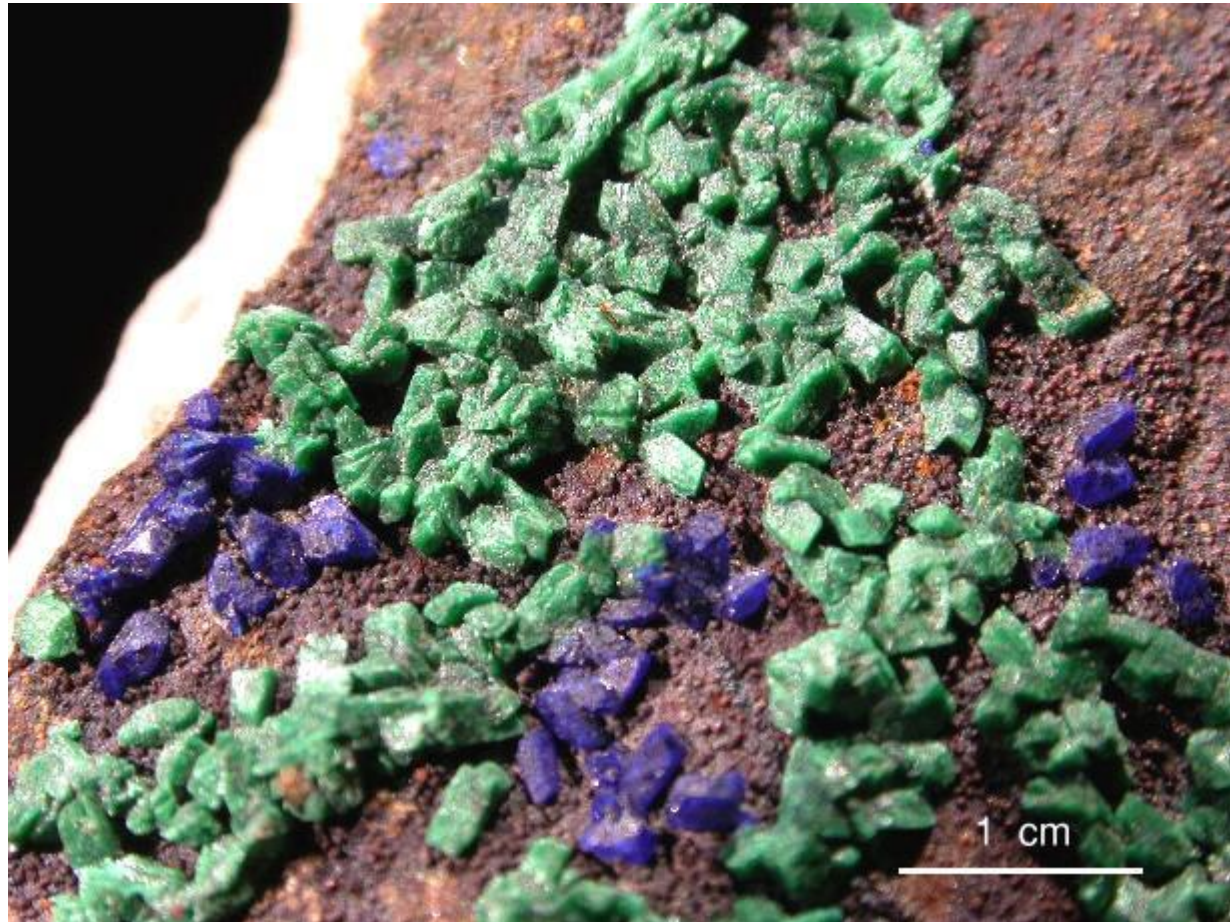


A COR

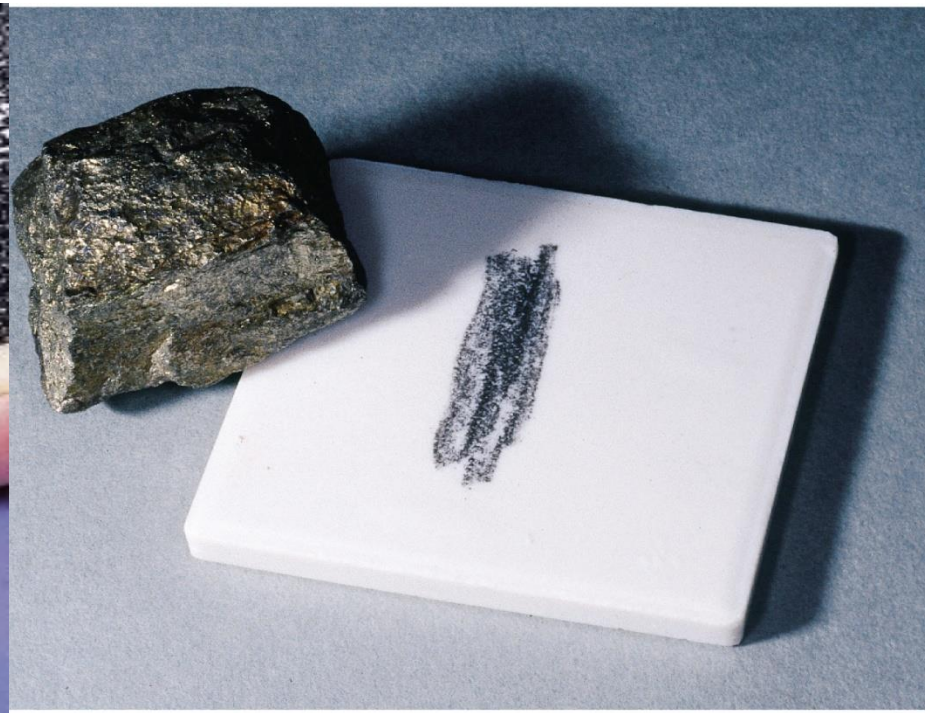
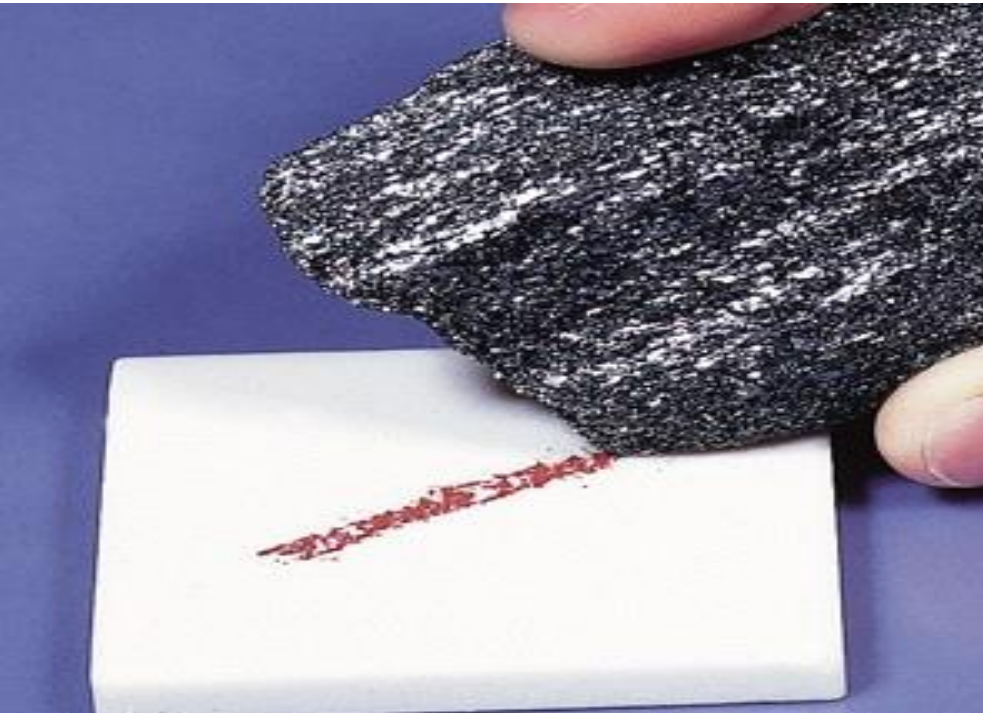
MINERAIS ALOCROMÁTICOS:CUARZO



IDIOCROMÁTICOS: AZURITA E MALAQUITA



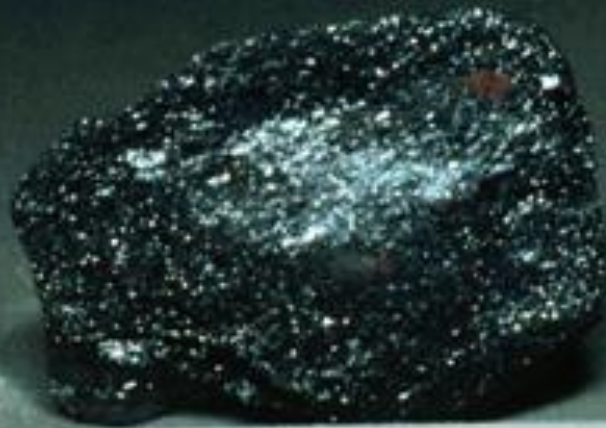
RAIA: cor do po



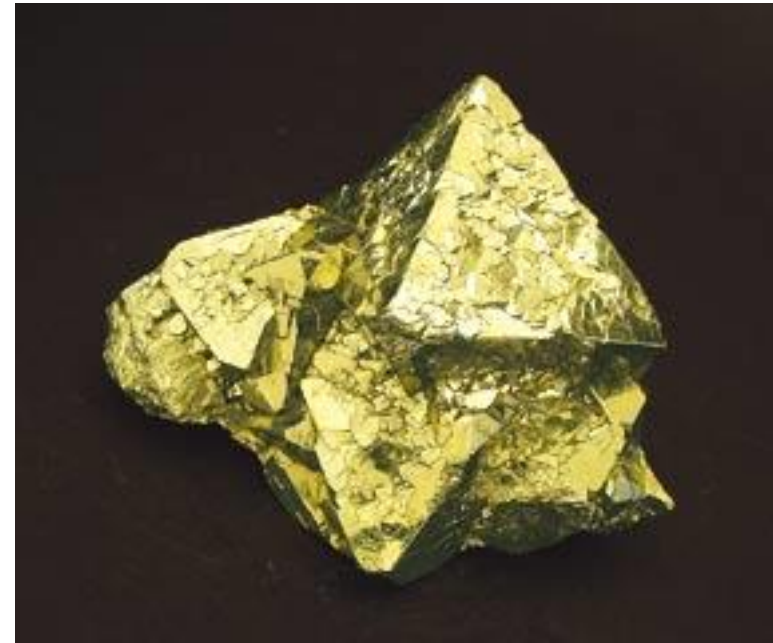
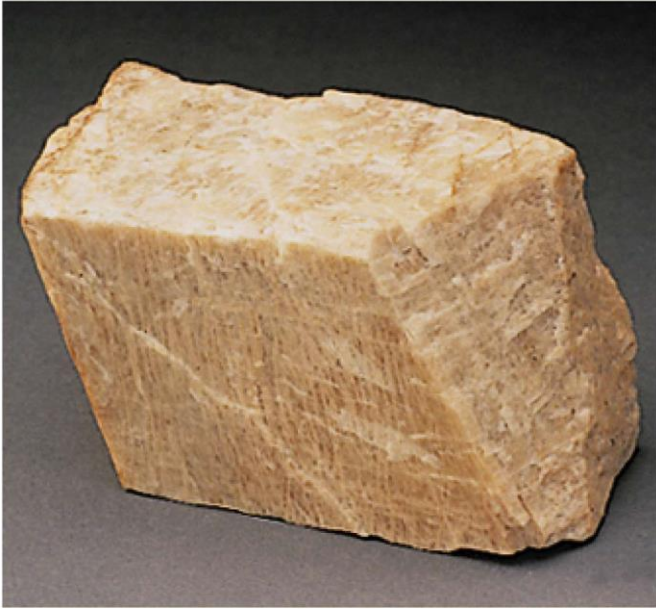
Oolitic
hematite



Specular
hematite



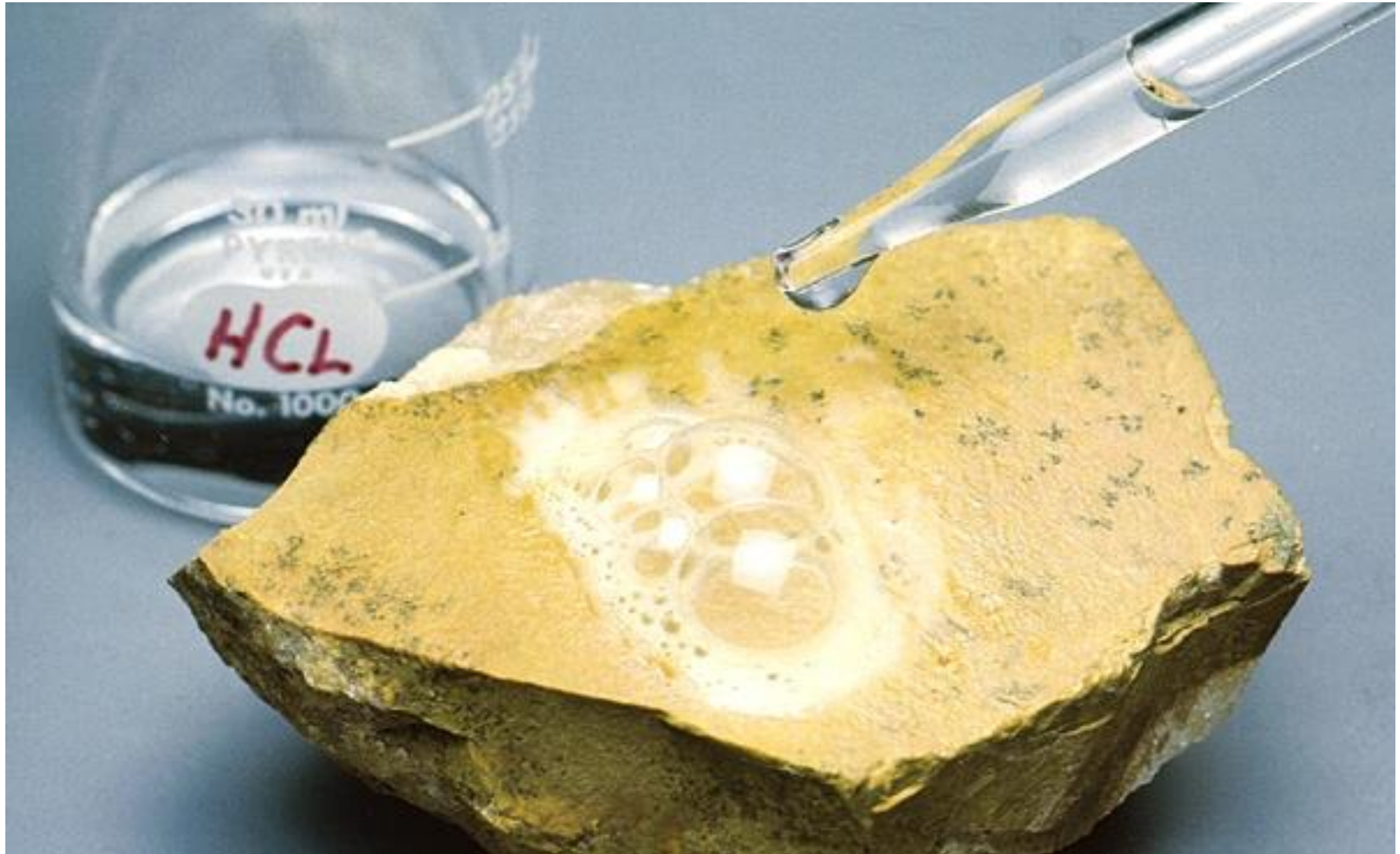
BRILLO



PROPIEDADES MAGNÉTICAS



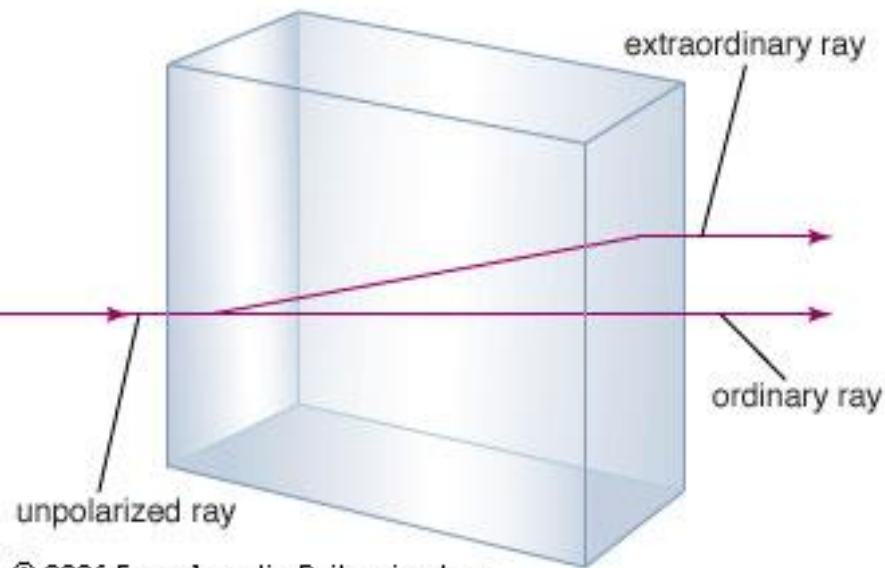
EFERVESCENCIA CO HCl





Calcita (carbonato de calcio)

DOBLE REFRACCIÓN DA CALCITA



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