

Minerals, their Characteristics

Classifications

CONTENTS

- Defintion
- Chemical Composition
- Crystal Structure
- Physical properties of Minerals(color, Streak, Luster, Crystal Habit, Cleavage, Fracture, hardness,
 Specific Gravtiy, Taste, Other properties)
- Common Rock forming Minerals

Definition of Mineral

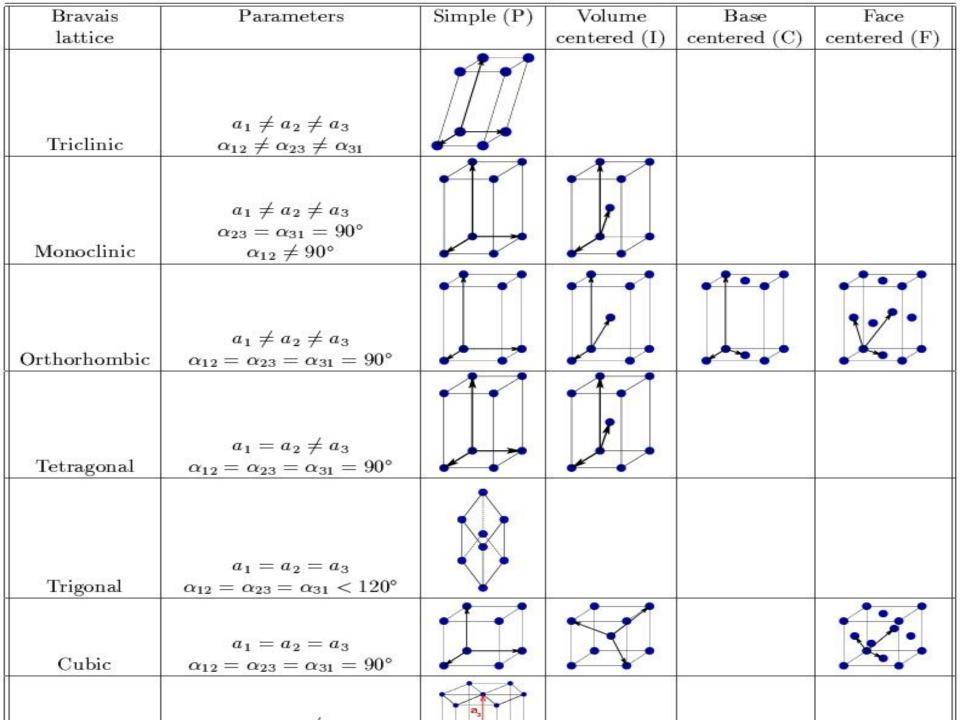
- Naturally occurring solid
- Formed by geological process
- Characteristic chemical Composition
- Ordered atomic structure
- Specific physical properties

Chemical Composition

- Continuous series
- Mineraloid
- Nonminerals

Crystal Structure

- Bravais Lattices
- Determination of crystal structure
- Polymorphism



Color









Luster









Crystal Habbit





©Copyright 2008 Roby/i A Herton Creative http://CrystaisAndJewelry.com

Acicular

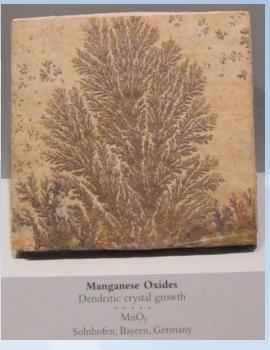
Platy

Tabular









• Prismatic

Fibrous

Dendritic



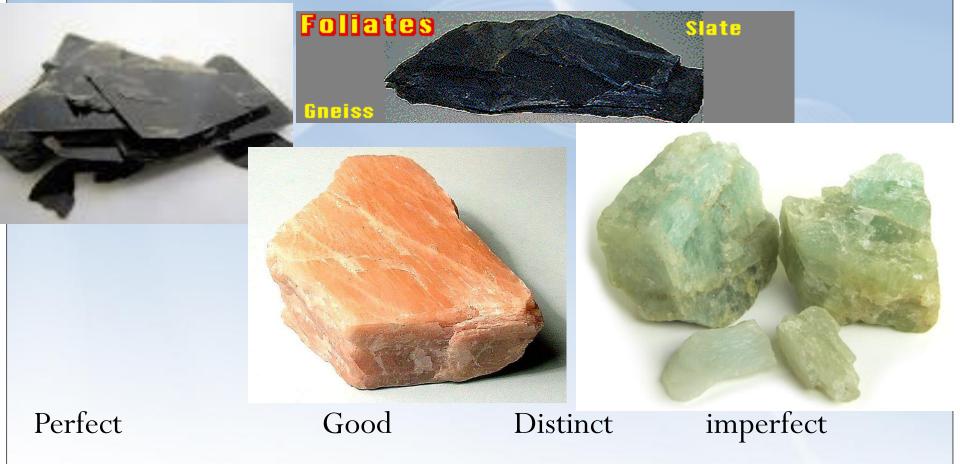


Raniform

Botryoidal

Amygdaloidal

Cleavage



Fracture







Conchoidal fract

Hackly

Hardness

Specific Gravity

Taste

Other Properties

Quartz







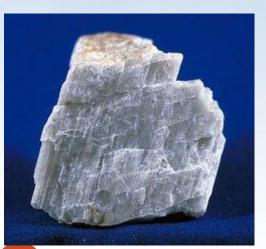




Feldspar











Mica



Amphibole





Olivine















