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## Exam 1 Study Guide

### Glossary

- Conchoidal : denoting a type of fracture in a solid (such as flint or quartz) that results in a smooth rounded surface resembling the shape of a scallop shell.

# Minerals

## Orthoclase Feldspar

- Colors: white, reddish, pink, yellow
- Luster: glassy
- Hardness: 6
- Streak: white
- Fracture: uneven
- Cleavage:  $2 \sim 90$  degrees



Figure 1: Orthoclase Feldspar

## Plagioclase Feldspar

- Colors: dark grey to almost black
- Hardness: 6 - 6.5
- Streak: white
- Cleavage: 2
- Luster: do me daddy
- Fracture: do me daddy



Figure 2: Plagioclase Feldspar

## Quartz

- Colors: colorless
- Luster: glassy
- Hardness: 7
- Streak: none/white (it is harder than the porcelain)
- Fracture: conchodial
- Cleavage: poor/indistinct



Figure 3: Quartz

## Chert

- Colors: white → black || cream → brown
- Luster: waxy
- Hardness: 6.5 - 7
- Streak: white or lightly colored
- Fracture: splintery, conchodial
- Cleavage: do me daddy



Figure 4: Chert

## External Links

- Mineral Categorization
- Mineral Catalog