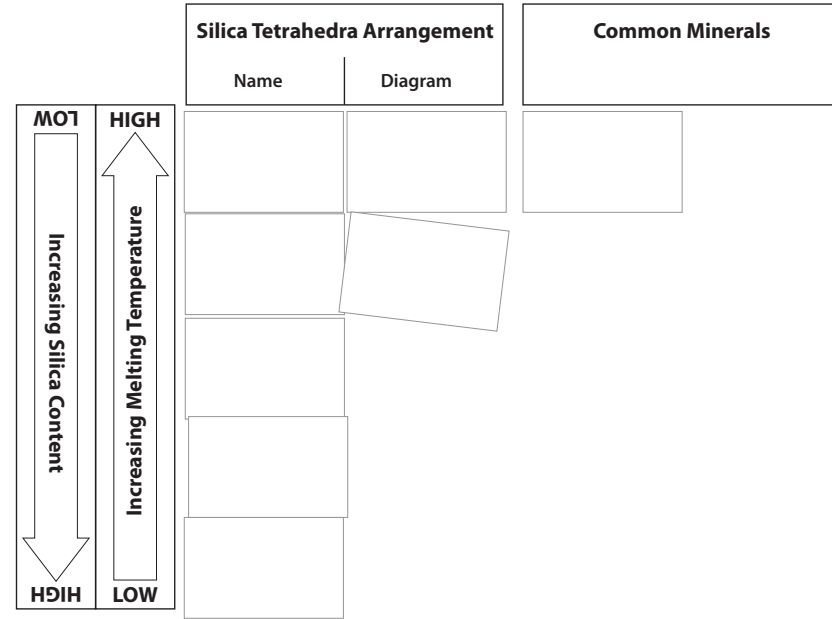


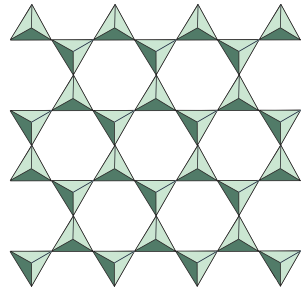


Instructions

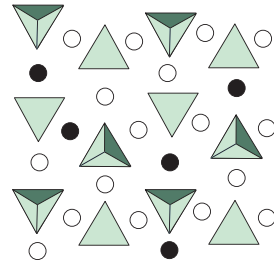
1. Print both pages of cards and cut out all cards along the dashed lines.
2. Lay out the heading and arrow cards as shown below.
3. Place the cards with the names of silica tetrahedra arrangements (e.g., "Single Chain," "Double Chain") and the diagrams of those structures in the correct order under the *Silica Tetrahedra Arrangement* heading card, using the *Increasing Silica Content* arrow as a guide.
4. Place the minerals in the correct row under the heading *Common Minerals*.



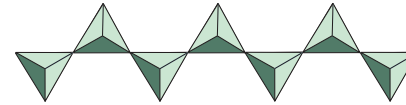
Sheets



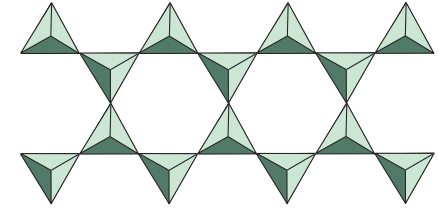
Isolated Tetrahedra



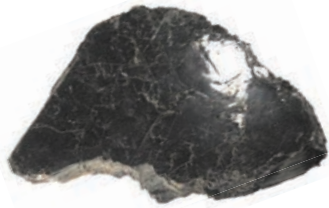
Single Chains



Double Chains



Biotite



R. Weller/ Cochise College

Olivine



R. Weller/ Cochise College

Pyroxene



R. Weller/ Cochise College

Amphibole



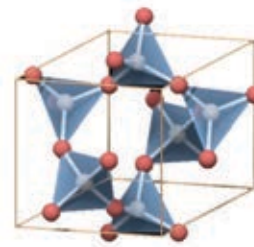
R. Weller/ Cochise College

Muscovite



R. Weller/ Cochise College

Framework (3D)



© 2005-2010, A.C. Akhavan

Quartz



R. Weller/ Cochise College

Silica Tetrahedra Arrangement

Name

Diagram

Feldspar

Plagioclase Feldspar (high Calcium)



R. Weller/ Cochise College

Feldspar

Potassium Feldspar



R. Weller/ Cochise College