

NAME:

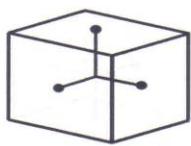
DATE:

Chapter 4 section 4.1

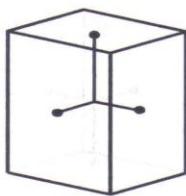
CLASS:

Basic Crystal Systems Worksheet

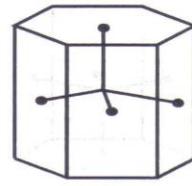
Crystal Systems



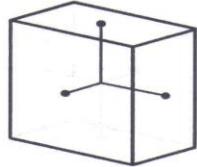
Cubic



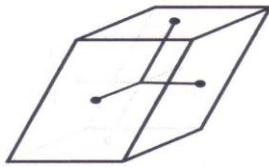
Tetragonal



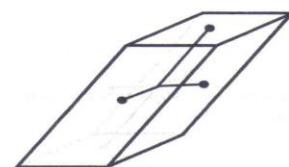
Hexagonal



Orthorhombic



Monoclinic



Triclinic

1. What is a crystal?
2. How many sides do crystals of each of the six major crystal systems have?
3. How would you use crystal structure to tell a crystal of pyrite from a crystal of gypsum?
4. Name a mineral in the triclinic crystal system.
5. Under what conditions can minerals grow to form well-defined crystal shapes like those pictured?
6. Do mineral crystals tend to appear in one of the six well-defined shapes shown in the table? Why or why not?
7. How are atoms arranged in crystalline structures?