

Metals and their Compounds

Lecture 2.1

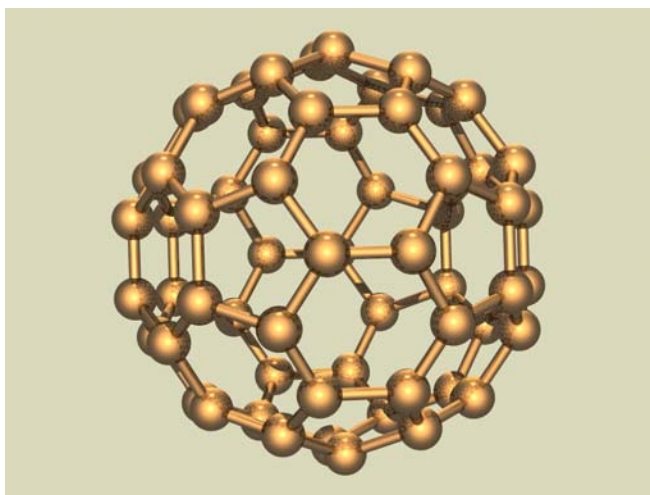
Structure of solids

Text : Brown/Lemay/Bursten Sections 11.7 & 11.8

Chemists use the word *structure* to mean the 3-dimensional arrangement of atoms in space - applies to all types of chemical compounds.

Why bother with structure ??

Has *major* influence on chemical/physical properties - example of carbon in *diamond*, *graphite* and *fullerenes*



C₆₀ see page 422 / 424 of BLB