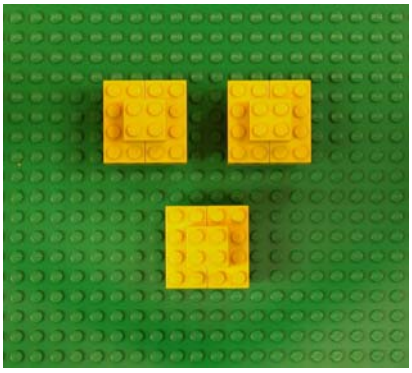
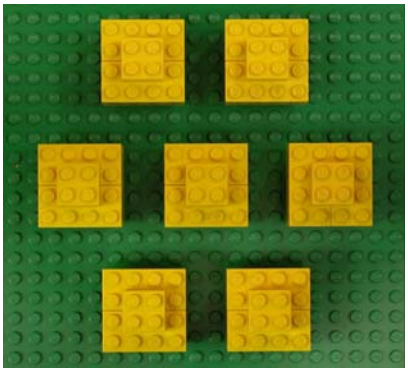
Diamond vs. Lonsdaleite (whole atoms)

LEGO unit representing atoms in this structure:

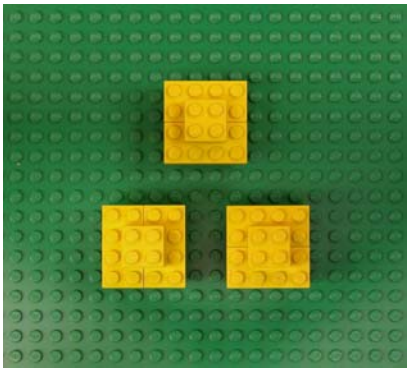
The carbon atoms in both structures are bonded to the other carbon atoms in a tetrahedral geometry:



“A” Layer

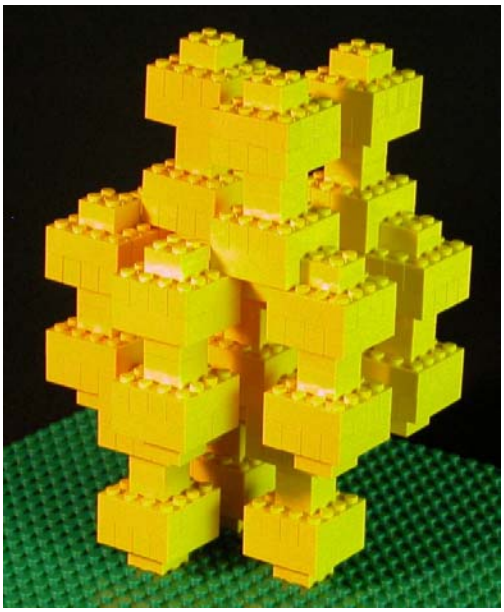
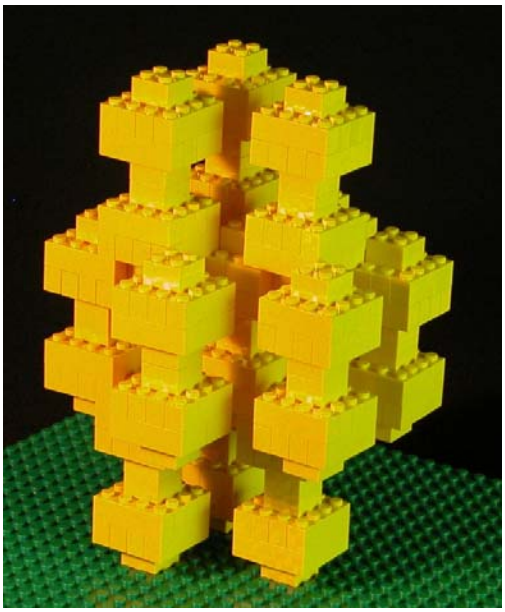


“B” Layer



“C” Layer

Angle view of diamond structure (Layers **AABBCC**BBAABBCCBB…):



Angle view of lonsdaleite structure (Layers **AABBAA**BBAABBAA…):