

Table 2. Partial list of compositions of matter solved by CP.

Solid Molecular Bond of the Three Allotropes of Carbon

Diamond

Graphite

Fullerene (C₆₀)

Solid Ionic Bond

Alkali-Hydride Crystal Structures

Lithium Hydride

Sodium Hydride

Potassium Hydride

Rubidium & Cesium Hydride

Potassium Hydrino Hydride

Alkali Fluorides

Alkali Chlorides

Solid Metallic Bond of Alkali Metals

Alkali Metal Crystal Structures

Lithium Metal

Sodium Metal

Potassium Metal

Rubidium & Cesium Metals

Silicon Molecular Functional Groups and Molecules

Silanes

Alkyl Silanes and Disilanes

Solid Semiconductor Bond of Silicon

Insulator-Type Semiconductor Bond

Conductor-Type Semiconductor Bond

Boron Molecules

Boranes

Bridging Bonds of Boranes

Alkoxy Boranes

Alkyl Boranes

Alkyl Borinic Acids

Tertiary Aminoboranes

Quaternary Aminoboranes

Borane Amines

Halido Boranes

Organometallic Molecular Functional Groups and Molecules

Transition Metal Compounds

Coordinate, Organometallic, and Carbonyl

Alkyl Aluminum Hydrides

Bridging Bonds of Organoaluminum Hydrides

Tin Compounds

Alkyl, Vinyl, Aryl, and Halido Stannanes and Distannanes
