Writing task: reorder the following sentences to get a meaningful paragraph.

The broadly defined discipline of materials chemistry is focused on

This broad field consists of studying the structures/properties of existing materials,

ions, or molecules comprising a material,

By this designation, common disciplines such as polymer, solid-state, and surface chemistry

 understanding the relationships between the arrangement of atoms,

synthesizing and characterizing new materials,

and properties of materials that have not yet been realized.

and its overall bulk structural/physical properties.

would all be placed within the scope of materials chemistry.

and using advanced computational techniques to predict structures