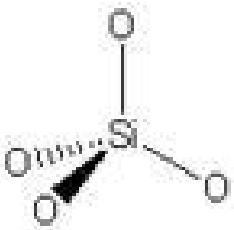
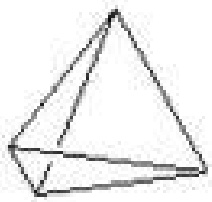
What Are Silicates

Chemically, ***silicate*** refers to compounds composed of silicon and oxygen, and sometimes include one or more metals and hydrogen. It also uses salt produced by silicon or silicic acid. Silicate is the general term for compounds composed of silicon, oxygen, and metal elements. It is one of the main components of crustal rocks. There are various silicate ores in nature, occupying about 5%of the earth's shells. The main component of clay is also silicate. There are many types of clay, common ones, and general clay. The former contains fewer impurities, and the latter contains more impurities. Most of the silicate is not dissolved.

Cause of Forming





In addition to the silicate minerals formed in meteorites and moon rocks, in the crust, no matter whether it is endogenous, cousin, or a deterioration effect, almost all of the rocks and minerals are generally formed in the process of formation. In the effect of magma, with the evolution of crystallization, the crystallization order of silicate minerals has a trend of transition from island-like, chain, layered, and frame-like.

The exposure to exploration after the magma period and the effect of thermal liquid erosion and the effect of thermal liquid erosion are closely related to the composition of the original surrounding rock. The evolution of silicate minerals and their combination in deterioration is an important symbol of deterioration. The silicate minerals formed by the surface of the table are mainly clay minerals, and they are mostly layered silicate. They are the most stable under the conditions of the surface.

Silicate is an industrial raw material that appears frequently in life. So what are the three major uses of silicate?

In fact, the three major uses of silicate are the main raw materials, engineering materials, and materials for technical applications of the silicate industry. Because silicate is one of the most reserves on the earth today, silicon is the core component of them. Due to the unique characteristics of silicon elements, silicate has a wide range of applications in industrial use. Silicate is the main component of rocks and soils such as granite. It often appears in various industries, scientific research, and even in daily life. The more common ones include cement, sand, ceramics, and so on.

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