

ARRAGONITE

Meaning: Aragonite is a crystalline form of calcium carbonate that occurs in nature and is commonly found in the shells of marine organisms.

1. Aragonite is a polymorph of calcium carbonate that forms in a variety of geological environments.
2. The shells of many marine organisms, including mollusks, are primarily composed of aragonite.
3. Under high-pressure conditions, aragonite can transform into another mineral called calcite.
4. Aragonite crystals often exhibit a needle-like or fibrous structure, making them distinct from other forms of calcium carbonate.
5. In the aquaculture industry, aragonite is used to help maintain water quality in fish tanks and aquariums.
6. Geologists often study aragonite deposits to understand past marine environments and climate changes.
7. Some gemstones, such as certain types of pearls, can be composed of aragonite, enhancing their beauty and value.
8. Aragonite can be found in various sedimentary rocks, indicating the historical presence of marine conditions.
9. The stability of aragonite in seawater is influenced by factors such as temperature and pressure.
10. Research into aragonite's role in carbon sequestration is gaining attention for its potential environmental benefits.

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