

RUTILE

Meaning: Rutile is a reddish-brown mineral composed primarily of titanium dioxide, commonly used as a pigment and indicative of high-temperature conditions in metamorphic rocks.

1. Rutile is often used as a pigment in paints due to its high refractive index.
2. The presence of rutile in metamorphic rocks can indicate high-temperature conditions.
3. Scientists study rutile crystals to better understand the geological history of an area.
4. Rutile is a significant source of titanium, which is essential for aerospace applications.
5. In mineralogy, rutile is characterized by its distinct tetragonal crystal structure.

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