Critical Minerals

Critical minerals are those that are essential to the economy and whose supply may be disrupted. Critical minerals also tend to be those on which a country is heavily import-reliant, so the minerals that are deemed critical will vary from country to country. Demand for many of these minerals has skyrocketed in recent years with the spread of high-tech devices that use a wide variety of materials.

Basics

Critical minerals are mineral resources that are essential to the economy and whose supply may be disrupted. The 'criticality' of a mineral changes with time as supply and society's needs shift. Table salt, for example, was once a critical mineral. Today, many critical minerals are metals that are central to high-tech sectors. They include the rare earth elements and other metals such as lithium, indium, tellurium, gallium, and platinum group elements. Read more

Frequently Asked Questions

Which mineral commodities used in the United States need to be imported?
American Geosciences Institute
How do we use rare earth elements?
U.S. Geological Survey
What are critical minerals, and why are they important?
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Are rare earth elements the only critical mineral resources?

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Mining
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