

The **United States Geological Survey** has released a new list of 50 mineral commodities critical to the U.S. economy and national security after an extensive multi-agency assessment. To access this list, [click here](#)

The 2022 list of critical minerals includes the following — click a mineral's name to find relevant statistics and publications:

1. [Aluminum](#), used in almost all sectors of the economy
2. [Antimony](#), used in lead-acid batteries and flame retardants
3. [Arsenic](#), used in semi-conductors
4. [Barite](#), used in hydrocarbon production.
5. [Beryllium](#), used as an alloying agent in aerospace and defense industries
6. [Bismuth](#), used in medical and atomic research
7. [Cerium](#), used in catalytic converters, ceramics, glass, metallurgy, and polishing compounds
8. [Cesium](#), used in research and development
9. [Chromium](#), used primarily in stainless steel and other alloys
10. [Cobalt](#), used in rechargeable batteries and superalloys
11. [Dysprosium](#), used in permanent magnets, data storage devices, and lasers
12. [Erbium](#), used in fiber optics, optical amplifiers, lasers, and glass colorants
13. [Europium](#), used in phosphors and nuclear control rods
14. [Fluorspar](#), used in the manufacture of aluminum, cement, steel, gasoline, and fluorine chemicals
15. [Gadolinium](#), used in medical imaging, permanent magnets, and steelmaking
16. [Gallium](#), used for integrated circuits and optical devices like LEDs
17. [Germanium](#), used for fiber optics and night vision applications
18. [Graphite](#), used for lubricants, batteries, and fuel cells
19. [Hafnium](#), used for nuclear control rods, alloys, and high-temperature ceramics
20. [Holmium](#), used in permanent magnets, nuclear control rods, and lasers
21. [Indium](#), used in liquid crystal display screens
22. [Iridium](#), used as coating of anodes for electrochemical processes and as a chemical catalyst
23. [Lanthanum](#), used to produce catalysts, ceramics, glass, polishing compounds, metallurgy, and batteries
24. [Lithium](#), used for rechargeable batteries
25. [Lutetium](#), used in scintillators for medical imaging, electronics, and some cancer therapies
26. [Magnesium](#), used as an alloy and for reducing metals
27. [Manganese](#), used in steelmaking and batteries
28. [Neodymium](#), used in permanent magnets, rubber catalysts, and in medical and industrial lasers
29. [Nickel](#), used to make stainless steel, superalloys, and rechargeable batteries
30. [Niobium](#), used mostly in steel and superalloys
31. [Palladium](#), used in catalytic converters and as a catalyst agent
32. [Platinum](#), used in catalytic converters
33. [Praseodymium](#), used in permanent magnets, batteries, aerospace alloys, ceramics, and colorants
34. [Rhodium](#), used in catalytic converters, electrical components, and as a catalyst
35. [Rubidium](#), used for research and development in electronics
36. [Ruthenium](#), used as catalysts, as well as electrical contacts and chip resistors in computers
37. [Samarium](#), used in permanent magnets, as an absorber in nuclear reactors, and in cancer treatments
38. [Scandium](#), used for alloys, ceramics, and fuel cells
39. [Tantalum](#), used in electronic components, mostly capacitors and in superalloys

40. [Tellurium](#), used in solar cells, thermoelectric devices, and as alloying additive
41. [Terbium](#), used in permanent magnets, fiber optics, lasers, and solid-state devices
42. [Thulium](#), used in various metal alloys and in lasers
43. [Tin](#), used as protective coatings and alloys for steel
44. [Titanium](#), used as a white pigment or metal alloys
45. [Tungsten](#), primarily used to make wear-resistant metals
46. [Vanadium](#), primarily used as alloying agent for iron and steel
47. [Ytterbium](#), used for catalysts, scintillometers, lasers, and metallurgy
48. [Yttrium](#), used for ceramic, catalysts, lasers, metallurgy, and phosphors
49. [Zinc](#), primarily used in metallurgy to produce galvanized steel
50. [Zirconium](#), used in the high-temperature ceramics and corrosion-resistant alloys.