

13 Al 26.982 Aluminum	15 P 30.974 Phosphorus					Mi	Ne	Ra	Ls
22 Ti 47.887 Titanium	26 Fe 55.845 Iron	27 Co 58.933 Cobalt	28 Ni 58.693 Nickel	29 Cu 63.546 Copper		M	A	K	E
30 Zn 65.39 Zinc	39 Y 88.906 Yttrium	42 Mo 95.94 Molybdenum	47 Ag 107.87 Silver	56 Ba 137.33 Barium		Se	Cu	Ri	Ty
									57 La 138.91 Lanthanide
									58 Ce 140.12 Cerium

Minerals are critical components of the advanced technologies that keep Americans safe and our military equipped.



The U.S. Department of Defense uses

**750,000 TONS**  
of minerals annually.

Essential uses include:



**Jet Engines**

Rhenium and nickel are used in high-performance jet engines.



**Night-vision Goggles**

Lanthanum, gadolinium and yttrium are used in night-vision goggles.



**Military Aircraft**

Aluminum provides unique strength-to-weight ratio capabilities and copper is essential in electrical wiring systems.



**Armored Vehicles**

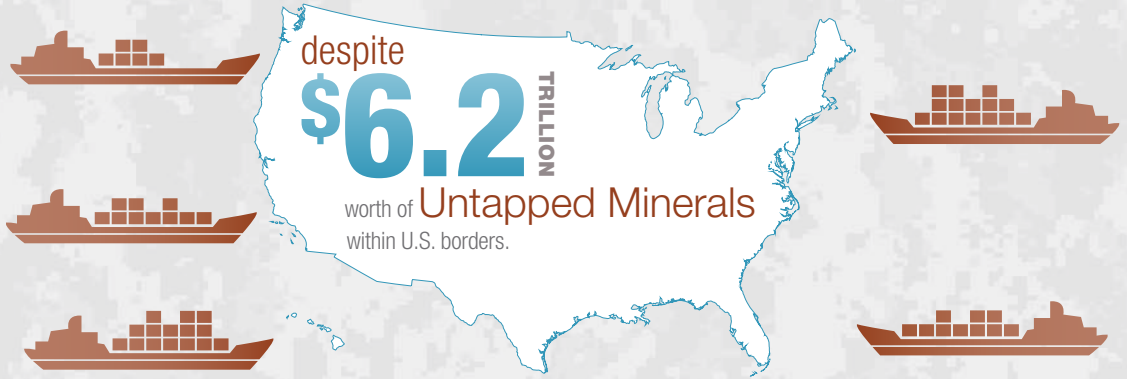
Manganese and molybdenum are essential to the production of high-strength steel for vehicle bodies.

Import reliance leaves us vulnerable.

The U.S. imports

**\$5.1 BILLION** worth of minerals from foreign countries and is

**100% Import Reliant** on 18 key minerals



Put America's security back into its own hands.



Domestic minerals mining supports national security.

A reliable domestic supply chain will enable us to produce the products and technologies that keep us safe.

mineralsmakelife.org

SOURCES

- Platts Metals Week
- Reconfiguration of the National Defense Stockpile Report to Congress
- U.S. Geological Survey, Minerals Commodity Summaries 2011