

Production and Imports of Rare Metals Used in Environmental Technology					
Mineral	Main application in environmental technology	Share of deposits, production, and imports to Japan (2006)			
Rare earth metals	High-efficiency, high-performance motors (next-generation automobiles, wind power generation, etc.) Cells for next-generation automobiles, etc. Energy-efficient displays, fluorescent substances, nuclear reactors	Deposits	1. China 30.7%	2. CIS 21.6%	3. USA 14.8%
		Production	1. China 97.6%	2. India 2.2%	3. Malaysia 0.2%
		Imports	1. China 87.7%	2. Estonia 5.3%	3. France 4%
Nickel (Ni)	Cells for next-generation automobiles, etc.	Deposits	1. Australia 37.5%	2. Russia 10.3%	3. Cuba 8.8%
		Production	1. Russia 20.5%	2. Canada 16.5%	3. Australia 12.6%
		Imports	1. Indonesia 44.8%	2. Philippines 13.6%	3. New Caledonia 12%
Cobalt (Co)	Cells for next-generation automobiles, etc.	Deposits	1. Congo 48.6%	2. Australia 20%	3. Cuba 14.3%
		Production	1. China 24.1%	2. Finland 16.3%	3. Canada 9.5%
		Imports	1. Finland 30.9%	2. Australia 17.4%	3. Canada 13.9%
Lithium (Li)	Cells for next-generation automobiles, etc.	Deposits	1. Chile 73.2%	2. China 13.2%	3. Brazil 4.6%
		Production	1. Chile 39.3%	2. Australia 18%	3. China 14.2%
		Imports	1. Chile 63%	2. USA 18.6%	3. China 11.1%
Indium (In)	Non-silicon solar cells Energy-efficient displays, fluorescent substances, nuclear reactors	Deposits	1. Canada 35.7%	2. USA 10.7%	3. China 10%
		Production	1. China 62.5%	2. Japan 11.5%	3. Canada 10.4%
		Imports	1. China 55.3%	2. South Korea 10.2%	3. Canada 10.2%
Platinum (Pt)	Catalyst for fuel cells	Deposits	1. South Africa 88.7%	2. Russia 8.7%	3. USA 1.3%
		Production	1. South Africa 80.2%	2. Russia 11.2%	3. Canada 3.2%
		Imports	1. South Africa 82.9%	2. USA 5.1%	3. Germany 4.8%
Chromium (Cr)	Steel plates for next-generation automobiles Nuclear reactors, nuclear power equipment	Deposits	1. Kazakhstan 61.1%	2. South Africa 33.7%	3. India 5.3%
		Production	1. South Africa 40.5%	2. India 23.4%	3. Kazakhstan 19.6%
		Imports	1. South Africa 48.9%	2. Kazakhstan 28.1%	3. India 11.1%