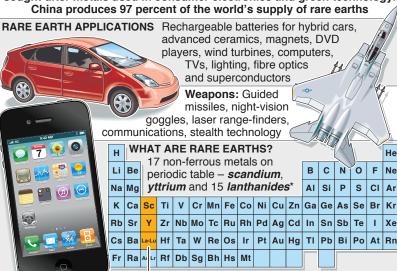
Rare earth elements set to become rarer

China's exports of rare earth elements fell 9.3 percent in 2010, deepening fears among Western governments of a coming shortage of the highly sought-after metals used in consumer electronics and green technology.

China produces 97 percent of the world's supply of rare earths



Lanthanides

Actinides

Miniaturization

RARE EARTH

DECEDVEC

Rare earths allow for smaller, lighter batteries and motors, and are now key to making handheld devices such as Apple's iPhone

Ac Th Pa U Np Pu Am Cm Bk Cf Es Fm Md No Lr *lanthanum, cerium, praseodymium, neodymium,

La Ce Pr Nd Pm Sm Eu Gd Tb Dy Ho Er Tm Yb Lu

*lanthanum, cerium, praseodymium, neodymium, promethium, samarium, europium, gadolinium, terbium, dysprosium, holmium, erbium, thulium, ytterbium, lutetium

RARE EARTH MINES • Operating • Under

2009 (000s tonnes)		Russia	omeni
China	36,000		-
CIS*	19,000		
United States	13,000		China
Australia	5,400	United Brazil	etnam
India	3,100	States	
Brazil	48	Manualth	
Malaysia	30	*Commonwealth of Independent South Malaysia	<i>></i>
World total	99,000	States Africa Austra	lia

Sources: U.S. Department of Energy, USGS, wire agencies

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