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mineral resources are non-renewable TABLE 15.4 Lifetimes (in years) of Currently Known Ore Supplies				
	Metal	World Resources	U.S. Resources	2013 Sverdrup et al. Silver:
	Iron	120	40	y worldwide - exhausted by 2240
	Aluminum	330	2	
	Copper	65	40	2018 Mohr et al
	Lead	20	40	peak production
	Zinc	30	25	Lead: 2025
	Gold	30	20	Zinc: 2031
1	Platinum	45	1	
	Nickel	75	less than 1	
	Cobalt	50	less than 1	"lead supplies will decline slowly
	Manganese	70	0	post-peak due to recycling"
	Chromium	75	0	
Source: "Earth, Portrait of a Planet" by Marshak -2003				
SIOTS 2024: Topic 26 - Anthropogenic Changes: Resources				







China's Rare Earth Trade - 12/4/24 **Exports** begin to ban export of some of rare minerals to U.S. minerals some used for weaponry and semiconductors gallium, germanium, antimony ("military use") banned halted immediately by China graphite -> stricter review tungsten (for armor-piercing ammunition) U.S. restrictions on reaction in NV: "we are moving quickly to open own mine" in 3 years technology prompt retaliatory move By David Pierson, Keith Bradsher & Ana Swanso THE NEW YORK TIMES HONG KONG — China said Tuesday that it would begin banning the export of several rare minerals to the United States, an escalation of the tech war between the world's two biggest powers. reasons: higher tariffs (experts: "tariffs never a good option") recent advanced tech embargo planned higher tariffs?? Source: SD UNION TRIBUNE SIO15 2024: Topic 26 - Anthropogenic Changes: Resource





























