

# PERIODIC TABLE OF ANNUAL PRODUCTION OF ELEMENTS

KEY																	
<p>Element name</p> <p>Flag and name of biggest-producing country</p> <p>Annual worldwide production (in metric tons)</p>																	
<p>This table is based on the most up-to-date figures available for each element in December 2019. It is primarily based on data from the U.S. Geological Survey Mineral Commodity Summaries.</p>																	
<b>HYDROGEN</b> China 70,000,000															<b>HELIUM</b> United States 28,500		
<b>LITHIUM</b> Australia 85,000	<b>BERYLLIUM</b> United States 230																
<b>SODIUM</b> France 100,000	<b>MAGNESIUM</b> China 970,000*																
<b>POTASSIUM</b> Canada 42,000,000‡	<b>CALCIUM</b> China 24,000	<b>SCANDIUM</b> ? NO DATA	<b>TITANIUM</b> China 180,000*	<b>VANADIUM</b> China 73,000	<b>CHROMIUM</b> South Africa 36,000,000	<b>MANGANESE</b> South Africa 18,000,000	<b>IRON</b> China 1,500,000,000	<b>COBALT</b> Congo 140,000	<b>NICKEL</b> Indonesia 2,300,000	<b>COPPER</b> Chile 21,000,000	<b>ZINC</b> China 13,000,000	<b>GALLIUM</b> China 410	<b>GERMANIUM</b> China 120*	<b>ARSENIC</b> China 35,000	<b>SELENIUM</b> China 2,800*	<b>BROMINE</b> Israel 380,000*	<b>KRYPTON</b> ? No data 8
<b>RUBIDIUM</b> ? NO DATA	<b>STRONTIUM</b> Spain 260,000	<b>YTTRIUM</b> China 7,000	<b>ZIRCONIUM</b> Australia 1,500,000	<b>NIوبيUM</b> Brazil 68,000	<b>MOLYBDENUM</b> China 300,000	<b>TECHNETIUM</b> ? NO DATA	<b>RUTHENIUM</b> ? No data 35.5	<b>RHODIUM</b> South Africa 30	<b>PALLADIUM</b> Russia 210	<b>SILVER</b> Mexico 27,000	<b>CADMIUM</b> China 26,000*	<b>INDIUM</b> China 750	<b>TIN</b> China 310,000	<b>ANTIMONY</b> China 140,000	<b>TELLURIUM</b> China 440*	<b>IODINE</b> Chile 29,000	<b>XENON</b> ? No data 0.6
<b>CAESIUM</b> ? NO DATA	<b>BARIUM</b> China 9,500,000	La-Lu	<b>HAFNIUM</b> ? NO DATA	<b>TANTALUM</b> Congo 1,800	<b>TUNGSTEN</b> China 82,000	<b>RHENIUM</b> Chile 49	<b>OSMIUM</b> ? No data <1	<b>IRIDIUM</b> ? No data 3	<b>PLATINUM</b> South Africa 160	<b>GOLD</b> China 3,300	<b>MERCURY</b> China 3,400	<b>THALLIUM</b> China 8	<b>LEAD</b> China 4,400,000	<b>BISMUTH</b> China 16,000	<b>POLONIUM</b> Russia 0.0001	<b>ASTATINE</b> ? NO DATA	<b>RADON</b> ? NO DATA
<b>FRANCIUM</b> ? NO DATA	<b>RADIUM</b> ? NO DATA		Ac-Lr	<b>RUTHERFORDIUM</b> ? NO DATA	<b>DUBNIUM</b> ? NO DATA	<b>SEABORGIUM</b> ? NO DATA	<b>BOHRIUM</b> ? NO DATA	<b>HASSIUM</b> ? NO DATA	<b>MEITNERIUM</b> ? NO DATA	<b>DARMSTADIUM</b> ? NO DATA	<b>ROENTGENIUM</b> ? NO DATA	<b>COPERNICIUM</b> ? NO DATA	<b>NIHONIUM</b> ? NO DATA	<b>FLEROVIUM</b> ? NO DATA	<b>MOSCOVIUM</b> ? NO DATA	<b>LIVERMORIUM</b> ? NO DATA	<b>TENNESSINE</b> ? NO DATA
<b>LANTHANUM</b> China NO DATA*	<b>CERIUM</b> China NO DATA*	<b>PRASEODYMIUM</b> China NO DATA*	<b>NEODYMIUM</b> China NO DATA*	<b>PROMETHIUM</b> ? NO DATA	<b>SAMARIUM</b> China NO DATA*	<b>EUROPIUM</b> China NO DATA*	<b>GADOLINIUM</b> China NO DATA*	<b>TERBIUM</b> China NO DATA*	<b>DYSPROSIUM</b> China NO DATA*	<b>HOLMIUM</b> China NO DATA*	<b>ERBIUM</b> China NO DATA*	<b>THULIUM</b> China NO DATA*	<b>YTTERBIUM</b> China NO DATA*	<b>LUTETIUM</b> China NO DATA			
<b>ACTINIUM</b> ? NO DATA	<b>THORIUM</b> ? NO DATA	<b>PROTACTINIUM</b> ? NO DATA	<b>URANIUM</b> Kazakhstan 54,000	<b>NEPTUNIUM</b> ? NO DATA	<b>PLUTONIUM</b> ? No data 70	<b>AMERICIUM</b> ? NO DATA	<b>CURIUM</b> ? NO DATA	<b>BERKELIUM</b> ? NO DATA	<b>CALIFORNIUM</b> United States 0.000000275	<b>EINSTEINIUM</b> ? NO DATA	<b>FERMIUM</b> ? NO DATA	<b>MENDELEVIUM</b> ? NO DATA	<b>NOBELIUM</b> ? NO DATA	<b>LAWRENCIUM</b> ? NO DATA			

**Footnotes:** \* = data for USA production redacted from figures and not included in total. † = in the form of graphite. ‡ = in the form of potassium oxide.

◊ = no individual data for the lanthanide elements is available; 170,000 metric tons of lanthanide elements were produced in 2018, with China the largest producer.

