



# 2017–2018 Minerals Yearbook

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## ASIA AND THE PACIFIC

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Base modified from ESRI ArcGIS online world countries (generalized) map data, 2017  
 Mercator Auxiliary Sphere projection  
 World Geodetic System 1984 datum

**Figure 1.** Map of the Asia and the Pacific region. The countries covered in this report are labeled on the map; bordering countries are shown in gray and not labeled.

# THE MINERAL INDUSTRIES OF ASIA AND THE PACIFIC

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The countries and dependencies that are covered in this chapter had a combined population of approximately 4.13 billion people, or about 54% of the world's total population, and a land area of 29.96 million square kilometers, or about 20% of the world's land area in 2018 (fig 1; table 1). The gross domestic product (GDP) of the Asia and the Pacific region was \$51.4 trillion, accounting for 40% of the world's real GDP. In 2018, the region's real GDP increased by 5.9% compared with that of 2017 (table 2).

The Asia and the Pacific region accounted for 90% of the world's production of tungsten; 77%, tin (Sn content); 74%, hydraulic cement; 71%, raw steel; 70%, graphite; and 63%, bauxite (not including that of the United States). Some countries of the Asia and the Pacific region were globally significant producers of metals and industrial minerals, and (or) mineral fuels and related materials (fig. 2). The major producers of tungsten (W content of mine output) in the region were China (79.2% of the world's output) and Vietnam (5.8%). The major producers of graphite in the region were China (63.0% of the world's output) and India (4.3%). The major producers of hydraulic cement in the region were China (53.3% of the world's output) and India (7.2%). The major producers of raw steel in the region were China (51.3% of the world's output), India (5.9%), Japan (5.8%), and the Republic of Korea (4.0%). The major producers of bauxite in the region were Australia (28.3% of the world's output), China (23.3%), India (6.9%), and Indonesia (3.2%). The major producers of tin (Sn content of mine output) in the region were China (27.9% of the world's output), Indonesia (26.3%), and Burma (16.9%). Data on mineral production for selected mineral commodities, by country in the region, are in table 3.

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- Indonesia—Ministry of Energy & Mineral Resources, Directorate General of Mineral & Coal;
- Japan—Ministry of Economy, Trade and Industry, Research and Statistics Department;
- Malaysia—Ministry of Natural Resources and Environment, Minerals and Geoscience Department;
- Nepal—Ministry of Industry, Commerce and Supplies, Department of Mines and Geology;
- Pakistan—Pakistan Bureau of Statistics, Energy and Mining Statistics Section;
- Papua New Guinea—Mineral Resources Authority of Papua New Guinea, Geological Survey;
- Philippines—Mineral Economics, Information, and Publication Division, Mines and Geosciences Bureau;
- Republic of Korea—Energy & Mineral Resources Strategy Department, Future Policy Division, Korea Institute of Geoscience and Mineral Resources;
- Sri Lanka—Geological Survey and Mines Bureau;
- Taiwan—Bureau of Mines, Ministry of Economic Affairs;
- Thailand—Ministry of Industry, Department of Primary Industries and Mines; and
- Vietnam—Department of Foreign Statistics and International Cooperation, General Statistics Office.

TABLE 1  
ASIA AND THE PACIFIC: AREA AND POPULATION IN 2018

Country or territory	Area <sup>1</sup> (square kilometers)	Estimated population <sup>2</sup> (thousands)
Afghanistan	652,230	37,172
Australia	7,741,220	24,983
Bangladesh	148,460	161,356
Bhutan	38,394	754
Brunei	5,765	429
Burma	676,578	53,708
Cambodia	181,035	16,250
China	9,596,960	1,392,730
Fiji	18,274	883
India	3,287,263	1,352,617
Indonesia	1,904,569	267,663
Japan	377,915	126,529
Korea, North	120,538	25,550
Korea, Republic of	99,720	51,607
Laos	236,800	7,062
Malaysia	329,847	31,529
Mongolia	1,564,116	3,170
Nepal	147,181	28,088
New Caledonia	18,575	284
New Zealand	268,838	4,841
Pakistan	796,095	212,215
Papua New Guinea	462,840	8,606
Philippines	300,000	106,652
Singapore	719	5,639
Solomon Islands	28,896	653
Sri Lanka	65,610	21,670
Taiwan	35,980	23,589 <sup>3</sup>
Thailand	513,120	69,429
Timor-Leste	14,874	1,268
Vietnam	331,210	95,540
Regional total	29,964,000	4,132,466
World total	148,940,000 <sup>4</sup>	7,591,945 <sup>5</sup>

<sup>1</sup>Source: U.S. Central Intelligence Agency, The World Factbook.

<sup>2</sup>Source: The World Bank, 2021 World Development Indicators Database.

<sup>3</sup>Source: Statistical Bureau of the Republic of China (Taiwan), Statistical Yearbook 2019.

<sup>4</sup>World area total includes the areal extent of some countries and (or) territories not covered in the Minerals Yearbook.

<sup>5</sup>World population total includes populations of some countries and (or) territories not covered in the Minerals Yearbook.

TABLE 2  
ASIA AND THE PACIFIC: GROSS DOMESTIC PRODUCT<sup>1,2</sup>

Country or territory	Gross domestic product in 2018 based on purchasing power parity		Real gross domestic product growth rate (percentage)		
	Gross value (million dollars)	Per capita (dollars)	2016	2017	2018
	Afghanistan	77,416	2,128	2.2	2.6
Australia	1,298,174	51,571	2.8	2.4	2.8
Bangladesh	785,956	4,767	7.1	7.3	7.9
Bhutan	8,434	11,467	7.4	6.3	3.8
Brunei	26,526	59,960	-2.5	1.3	0.1
Burma	245,723	4,685	6.4	5.8	6.4
Cambodia	69,193	4,258	6.9	7.0	7.5
China	21,659,302	15,522	6.8	6.9	6.8
Fiji	12,492	14,039	2.5	5.4	3.5
India	8,998,685	6,653	8.3	7.0	6.1
Indonesia	3,116,823	11,799	5.0	5.1	5.2
Japan	5,319,348	42,052	0.5	2.2	0.3
Korea, North <sup>3</sup>	17,487	688	3.9	-3.5	-4.1
Korea, Republic of	2,219,152	43,001	2.9	3.2	2.9
Laos	54,915	7,777	7.0	6.8	6.3
Malaysia	889,716	27,475	4.5	5.8	4.8
Mongolia	38,682	11,944	1.2	5.3	7.2
Nepal	93,518	3,329	0.6	8.2	6.7
New Caledonia <sup>3</sup>	10,174	36,335	2.1	1.6	1.6
New Zealand	207,377	42,814	4.2	3.8	3.2
Pakistan	1,027,059	5,111	4.6	5.2	5.5
Papua New Guinea	32,359	3,841	4.1	3.5	-0.9
Philippines	930,065	8,794	7.1	6.9	6.3
Singapore	564,385	100,092	3.2	4.3	3.4
Solomon Islands	1,612	2,570	5.9	5.3	3.9
Sri Lanka	285,469	13,173	4.5	3.6	3.3
Taiwan	1,202,811	50,990	2.2	3.3	2.7
Thailand	1,285,869	18,521	3.4	4.1	4.2
Timor-Leste	3,999	3,154	3.6	-3.8	-0.8
Vietnam	933,163	9,767	6.7	6.9	7.1
Regional total	51,415,884	12,442 <sup>4</sup>	6.6 <sup>5</sup>	6.3 <sup>5</sup>	5.9 <sup>5</sup>
World total <sup>6</sup>	128,711,608	16,954 <sup>4</sup>	3.3	3.8	3.5

<sup>1</sup>Source: International Monetary Fund, World Economic Outlook Database, October 2020.

<sup>2</sup>Gross domestic product listed may differ from that reported in individual country chapters owing to differences in the source or date of reporting.

<sup>3</sup>Source: United Nations data 2021.

<sup>4</sup>Calculated as a gross domestic product divided by population.

<sup>5</sup>Annual change in regional gross domestic product.

<sup>6</sup>World gross domestic product total includes the gross domestic product of some countries and (or) territories not covered in the Minerals Yearbook.

TABLE 3  
ASIA AND THE PACIFIC: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2018<sup>1</sup>  
(Thousand metric tons unless otherwise specified)

Country	Metals									
	Aluminum		Metal <sup>2</sup>	Antimony, mine output, Sb content (metric tons)	Chromite, mine output, gross weight	Cobalt (metric tons)		Copper		
	Alumina	Bauxite				Mine output, Co content	Refined	Mine output, Cu content	Refined, primary	
Afghanistan	--	--	--	--	5 <sup>e</sup>	--	--	--	--	--
Australia	20,062	95,948	1,574	2,173	--	4,878	3,200	890	385	--
Bangladesh	--	--	--	--	--	--	--	--	--	--
Bhutan	--	--	--	--	--	--	--	--	--	--
Brunei	--	--	--	--	--	--	--	--	--	--
Burma	--	--	--	2,641	--	--	--	153	153	--
Cambodia	--	--	--	--	--	--	--	--	--	--
China	72,531	79,000 <sup>e</sup>	42,752	89,600	70 <sup>e</sup>	2,000 <sup>e</sup>	83,100 <sup>e</sup>	1,590	7,060	--
Fiji	--	60 <sup>e</sup>	--	--	--	--	--	--	--	--
India	6,430	23,229	3,675	--	4,076	--	100	35 <sup>e</sup>	541	--
Indonesia	843	11,000 <sup>e</sup>	242	--	--	1,200 <sup>e</sup>	--	651	260	--
Japan	20 <sup>e</sup>	--	827	--	--	--	3,669	--	1,241	--
Korea, North	--	--	--	--	--	--	--	--	10 <sup>e</sup>	10 <sup>e</sup>
Korea, Republic of	--	--	--	--	--	--	--	--	--	501
Laos	--	--	--	340 <sup>e</sup>	--	--	--	--	152	68
Malaysia	--	500 <sup>e</sup>	750 <sup>e</sup>	--	--	--	--	--	--	--
Mongolia	--	--	--	--	--	--	--	--	301 <sup>e</sup>	14
Nepal	--	--	--	--	--	--	--	--	--	--
New Caledonia	--	--	--	--	--	--	2,100 <sup>e</sup>	--	--	--
New Zealand	--	--	341	--	--	--	--	--	--	--
Pakistan	--	121	--	28	242	--	--	13	--	--
Papua New Guinea	--	--	--	--	80 <sup>e</sup>	--	3,275	96	--	--
Philippines	--	--	--	--	45	--	4,600 <sup>e</sup>	70	171	--
Solomon Islands	--	1,609	--	--	--	--	--	--	--	--
Sri Lanka	--	--	--	--	--	--	--	--	--	--
Taiwan	--	--	--	--	--	--	--	--	--	--
Thailand	--	--	--	--	--	--	--	--	--	--
Vietnam	1,329	3,500 <sup>e</sup>	--	240 <sup>e</sup>	--	--	--	23 <sup>e</sup>	15	--
Regional total	101,000 <sup>e</sup>	215,000 <sup>e</sup>	50,200 <sup>e</sup>	95,000 <sup>e</sup>	4,520 <sup>e</sup>	18,100 <sup>e</sup>	90,100 <sup>e</sup>	3,980 <sup>e</sup>	10,400 <sup>e</sup>	--
Share of world total	77.1%	63.4%	67.2%	65.1%	10.2%	12.2%	75.1%	20.9%	52.0%	--
United States	1,570	W	891	--	--	490 <sup>e</sup>	--	1,220	1,070	--
Share of world total	1.2%	W	1.2%	--	--	0.3%	--	6.4%	5.4%	--
World total	131,000	339,000	74,700	146,000	44,300	148,000	120,000	19,000	20,000	--

See footnotes at end of table.

TABLE 3—Continued  
 ASIA AND THE PACIFIC: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2018<sup>1</sup>  
 (Thousand metric tons unless otherwise specified)

Country	Metals									
	Gold, mine output, Au content (kilograms)	Iron ore, gross weight	Iron and steel		Lead, refined (metric tons)		Manganese ore, mine output, Mn content	Mercury, mine output, Hg content (metric tons)	Molybdenum ore, mine output Mo content	
			Pig iron and direct-reduced iron	Steel, raw	Primary <sup>3</sup>	Secondary				
Afghanistan	--	--	--	33 <sup>e</sup>	--	--	--	--	--	--
Australia	313,028	907,819	3,882	6,035	266,482	33,000 <sup>e</sup>	3,475	--	--	--
Bangladesh	--	--	--	1,010 <sup>e</sup>	--	--	--	--	--	--
Bhutan	--	38	--	--	--	--	--	--	--	--
Brunei	--	--	--	--	--	--	--	--	--	--
Burma	1,600 <sup>e,4</sup>	--	--	--	12,000 <sup>e</sup>	--	207	--	--	--
Cambodia	--	--	--	--	--	--	--	--	--	--
China	401,119	335,000	771,050	928,300	2,770,000	2,140,000	1,196	3,600 <sup>e</sup>	120 <sup>e</sup>	--
Fiji	1,281	--	--	--	--	--	--	--	--	--
India	170	204,091	99,607	106,463	195,055	428,000 <sup>e</sup>	961	--	--	--
Indonesia	135,000	760	2,967	6,183	--	54,000 <sup>e</sup>	3,000	--	--	--
Japan	6,453	--	77,328	104,319	78,223	118,338	--	--	--	(5)
Korea, North	1,000 <sup>e</sup>	3,280	250 <sup>e</sup>	810	2,000 <sup>e</sup>	--	--	--	--	--
Korea, Republic of	238	383	47,124	72,463	410,294	390,000	--	--	--	--
Laos	5,579	99	--	--	--	--	--	--	--	--
Malaysia	2,520	3,354	750	3,200	--	--	390 <sup>e</sup>	--	--	--
Mongolia	20,655	6,225	--	29	--	--	--	--	--	2
Nepal	--	--	--	--	--	--	--	--	--	--
New Caledonia	--	--	--	--	--	--	--	--	--	--
New Zealand	10,500 <sup>e</sup>	3,496	679	652	--	--	--	--	--	--
Pakistan	--	690	--	4,719	--	1,000	--	--	--	--
Papua New Guinea	67,000 <sup>e</sup>	--	--	--	--	--	--	--	--	--
Philippines	20,765	--	--	1,500	--	10,000	--	--	--	--
Solomon Islands	--	--	--	--	--	--	--	--	--	--
Sri Lanka	--	--	--	--	--	3,700 <sup>4</sup>	--	--	--	--
Taiwan	--	--	14,800	23,200	--	58,000	1,900 <sup>e</sup>	--	--	--
Thailand	--	--	--	4,315	--	85,000	--	--	--	--
Vietnam	560 <sup>e</sup>	5,471	6,449	17,723	--	--	143	--	--	--
Regional total	987,000 <sup>e</sup>	1,470,706	1,020,000 <sup>e</sup>	1,280,000 <sup>e</sup>	3,730,000 <sup>e</sup>	3,320,000 <sup>e</sup>	11,300 <sup>e</sup>	3,600 <sup>e</sup>	122 <sup>e</sup>	--
Share of world total	30.0%	57.4%	75.6%	70.7%	76.6%	49.8%	47.1%	14.9%	43.0%	--
United States	226,000	49,500	27,400	86,600	--	1,170,000	--	NA	41	--
Share of world total	6.9%	1.9%	2.0%	4.8%	--	17.5%	--	NA	14.4%	--
World total	3,290,000	2,560,000	1,350,000	1,810,000	4,870,000	6,670,000	24,000	24,100	284	--

See footnotes at end of table.

TABLE 3—Continued  
ASIA AND THE PACIFIC: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2018<sup>1</sup>  
(Thousand metric tons unless otherwise specified)

Country	Metals												
	Nickel		Platinum-group metals, mine output, metal content (kilograms)			Rare earths, mineral concentrate, rare-earth oxide equivalent (metric tons)		Silver, mine output, Ag content (metric tons)		Tin (metric tons)		Titanium, Ilmenite, TiO <sub>2</sub> content (metric tons)	
	Mine output, Ni content	Refinery products	Palladium	Platinum			Ag content	Mine output, Sn content	Metal, primary				
Afghanian	--	--	--	--	--	--	--	--	--	--	--	--	
Australia	161	114	420 <sup>e</sup>	120 <sup>e</sup>	21,000 <sup>e</sup>	1,254	--	6,871	--	--	720,000 <sup>e</sup>	--	
Bangladesh	--	--	--	--	--	--	--	--	--	--	--	--	
Bhutan	--	--	--	--	--	--	--	--	--	--	--	--	
Brunei	--	--	--	--	--	--	--	--	--	--	--	--	
Burma	21	--	--	--	19,000 <sup>e</sup>	--	--	54,600 <sup>e</sup>	--	--	--	--	
Cambodia	--	--	--	--	--	--	--	--	--	--	--	--	
China	110 <sup>e</sup>	195 <sup>e</sup>	1,300	2,500	120,000 <sup>e</sup>	3,574	--	90,000 <sup>e</sup>	175,000 <sup>e</sup>	--	2,170,000	--	
Fiji	--	--	--	--	--	(5)	--	--	--	--	--	--	
India	--	--	--	--	2,900 <sup>e</sup>	649	--	18	14	--	310,000	--	
Indonesia	606	--	--	--	--	309	--	85,000	81,427	--	--	--	
Japan	--	58	--	--	--	4	--	--	1,650	--	--	--	
Korea, North	--	--	--	--	--	20 <sup>e</sup>	--	--	--	--	--	--	
Korea, Republic of	--	--	--	--	--	7	--	--	--	--	--	--	
Laos	--	--	--	--	--	37	--	1,551	--	--	--	--	
Malaysia	--	--	--	--	60 <sup>e</sup>	2	--	4,300	27,197	--	5,400 <sup>e</sup>	--	
Mongolia	--	--	--	--	--	60	--	25	--	--	--	--	
Nepal	--	--	--	--	--	--	--	--	--	--	--	--	
New Caledonia	216	7	--	--	--	--	--	--	--	--	--	--	
New Zealand	--	--	--	--	--	5 <sup>e</sup>	--	--	--	--	--	--	
Pakistan	--	--	--	--	--	3 <sup>e</sup>	--	--	--	--	--	--	
Papua New Guinea	35	--	--	--	--	90 <sup>e</sup>	--	--	--	--	--	--	
Philippines	345	--	--	--	--	30	--	--	--	--	--	--	
Solomon Islands	--	--	--	--	--	--	--	--	--	--	--	--	
Sri Lanka	--	--	--	--	--	--	--	--	--	--	37,000	--	
Taiwan	--	--	--	--	--	--	--	--	--	--	--	--	
Thailand	--	--	--	--	520	--	--	75	10,721	--	--	--	
Vietnam	--	--	--	--	920 <sup>e</sup>	--	--	5,500	4,900	--	126,000	--	
Regional total	1,490 <sup>e</sup>	374 <sup>e</sup>	1,720 <sup>e</sup>	2,620 <sup>e</sup>	164,000 <sup>e</sup>	6,040 <sup>e</sup>	--	248,000 <sup>e</sup>	301,000 <sup>e</sup>	--	3,370,000 <sup>e</sup>	--	
Share of world total	65.4%	41.1%	0.8%	1.4%	88.2%	22.4%	--	76.8%	86.5%	--	48.8%	--	
United States	18	--	14,300	4,160	14,000	934	--	--	--	--	100,000	--	
Share of world total	0.8%	--	6.5%	2.2%	7.5%	3.5%	--	--	--	--	1.4%	--	
World total	2,280	911	220,000	189,000	186,000	27,000	--	323,000	348,000	--	6,900,000	--	

See footnotes at end of table.

TABLE 3—Continued  
ASIA AND THE PACIFIC: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2018<sup>1</sup>

(Thousand metric tons unless otherwise specified)

Country	Metals						Industrial minerals					
	Titanium		Tungsten,		Zinc (metric tons)		Barite	Cement, hydraulic	Fluorspar (metric tons)	Graphite (metric tons)	Lithium, mine and brine, lithium carbonate equivalent (metric tons) <sup>6</sup>	
	Rutile, TiO <sub>2</sub> content (metric tons)	mine output, W content (metric tons)	Mine output, Zn content	Metal, primary and secondary	Mine output, Zn content	primary and secondary						
Afghanian	--	--	--	--	--	--	--	4,000 <sup>e</sup>	--	--	--	
Australia	190,000 <sup>e</sup>	20 <sup>e</sup>	1,112,000	490,000	--	7	10,200 <sup>e</sup>	--	--	304,000 <sup>e</sup>	--	
Bangladesh	--	--	--	--	--	--	28,000 <sup>e</sup>	--	--	--	--	
Bhutan	--	--	--	--	--	--	941	--	--	--	--	
Brunei	--	--	--	--	--	--	290 <sup>e</sup>	--	--	--	--	
Burma	--	215 <sup>e,4</sup>	12,000	--	3	3	6,000 <sup>e</sup>	70,000 <sup>e</sup>	--	--	--	
Cambodia	--	--	--	--	--	--	4,900 <sup>e</sup>	--	--	--	--	
China	--	65,000	4,170,000 <sup>e</sup>	6,270,000	2,900 <sup>e</sup>	2,900 <sup>e</sup>	2,208,000	4,400,000 <sup>e</sup>	693,000	37,800 <sup>e</sup>	--	
Fiji	--	--	--	--	--	--	143	--	--	--	--	
India	13,400	--	750,000 <sup>e</sup>	746,000	2,390 <sup>e</sup>	2,390 <sup>e</sup>	298,000	1,600 <sup>e</sup>	47,707	--	--	
Indonesia	--	--	--	--	--	--	75,213	--	--	--	--	
Japan	--	--	--	521,110	--	--	55,307	--	--	--	--	
Korea, North	--	1,410 <sup>e</sup>	20,000 <sup>e</sup>	10,000 <sup>e</sup>	--	--	5,830	--	6,000 <sup>e</sup>	--	--	
Korea, Republic of	--	--	3,656	988,695	--	--	57,500 <sup>e</sup>	--	--	--	--	
Laos	--	--	--	--	230 <sup>e</sup>	230 <sup>e</sup>	4,800	--	--	--	--	
Malaysia	5,700 <sup>e</sup>	--	--	--	--	--	20,000 <sup>e</sup>	--	--	--	--	
Mongolia	--	1,938	44,000 <sup>e</sup>	--	--	--	934	605 <sup>e</sup>	--	--	--	
Nepal	--	--	--	--	--	--	9,000 <sup>e</sup>	--	--	--	--	
New Caledonia	--	--	--	--	--	--	86,343	--	--	--	--	
New Zealand	--	--	--	--	--	--	450 <sup>e</sup>	--	--	--	--	
Pakistan	--	--	27,000 <sup>e</sup>	--	109	109	40,800	7,818	14,000 <sup>e</sup>	--	--	
Papua New Guinea	--	--	--	--	--	--	200 <sup>e</sup>	--	--	--	--	
Philippines	--	--	--	--	--	--	26,000 <sup>e</sup>	--	--	--	--	
Solomon Islands	--	--	--	--	--	--	--	--	--	--	--	
Sri Lanka	2,200	--	--	--	--	--	2,841	--	3,800 <sup>e</sup>	--	--	
Taiwan	--	--	--	--	--	--	10,939	--	--	--	--	
Thailand	--	69 <sup>e</sup>	--	--	13	13	35,750	58,700 <sup>e</sup>	--	--	--	
Vietnam	--	4,800	12,000	10,000	48 <sup>e</sup>	48 <sup>e</sup>	88,953	238,702	--	--	--	
Regional total	211,000 <sup>e</sup>	73,500 <sup>e</sup>	6,150,000 <sup>e</sup>	9,040,000 <sup>e</sup>	5,700 <sup>e</sup>	5,700 <sup>e</sup>	3,080,000 <sup>e</sup>	4,780,000 <sup>e</sup>	765,000 <sup>e</sup>	342,000 <sup>e</sup>	--	
Share of world total	32.2%	89.5%	49.2%	65.5%	61.6%	61.6%	74.4%	73.4%	69.5%	69.9%	--	
United States	(5)	--	824,000	116,000	366	366	87,000	--	--	W	--	
Share of world total	(7)	--	6.6%	0.8%	4.0%	4.0%	2.1%	--	--	W	--	
World total	656,000	82,100	12,500,000	13,800,000	9,250	9,250	4,140,000	6,510,000	1,100,000	489,000	--	

See footnotes at end of table.

TABLE 3—Continued  
ASIA AND THE PACIFIC: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2018<sup>1</sup>

(Thousand metric tons unless otherwise specified)

Country	Industrial minerals						Mineral fuels and related materials				Natural gas, dry (million cubic meters)
	Magnesite	Nitrogen, N content of ammonia	Phosphate rock, P <sub>2</sub> O <sub>5</sub> content	Potash, K <sub>2</sub> O equivalent	Salt	Anthracite	Bituminous	Coal	Lignite		
Afghanistan	--	48 <sup>e</sup>	--	--	76	--	2,191	--	--	140 <sup>e</sup>	
Australia	265 <sup>e</sup>	1,300 <sup>e</sup>	680	--	12,894	818 <sup>e</sup>	262,000 <sup>e</sup>	73,300 <sup>e</sup>	--	130,987	
Bangladesh	--	600 <sup>e</sup>	--	--	1,513 <sup>4</sup>	--	923 <sup>4</sup>	--	--	27,357 <sup>4</sup>	
Bhutan	--	--	--	--	--	--	187	--	--	--	
Brunei	--	--	--	--	--	--	--	--	--	11,472	
Burma	--	53	--	--	189	--	--	1,201	--	17,080	
Cambodia	--	--	--	--	10 <sup>e</sup>	--	--	--	--	--	
China	18,500 <sup>e</sup>	37,907	28,900	5,450	58,362	394,000 <sup>e</sup>	2,430,000 <sup>e</sup>	248,000 <sup>e</sup>	--	160,000	
Fiji	--	--	--	--	--	--	--	--	--	--	
India	173	11,400 <sup>e</sup>	360	--	29,000 <sup>e</sup>	--	716,051	46,032	--	27,500	
Indonesia	--	--	--	--	1,000 <sup>e</sup>	--	197,000 <sup>e</sup>	97,000 <sup>e</sup>	--	73,200	
Japan	--	673	--	--	925 <sup>e</sup>	--	1,700 <sup>e</sup>	--	--	2,707	
Korea, North	70 <sup>e</sup>	--	--	--	100 <sup>e</sup>	12,700	5,420 <sup>8</sup>	--	--	--	
Korea, Republic of	--	--	--	--	283	1,202	--	--	--	--	
Laos	--	--	--	335	1 <sup>e</sup>	143	--	15,903	--	--	
Malaysia	--	--	--	--	--	30	--	200	--	72,500	
Mongolia	--	--	--	--	2 <sup>e</sup>	--	2,400 <sup>e</sup>	6,700 <sup>e</sup>	--	--	
Mongolia	--	--	--	--	--	--	6 <sup>e,4</sup>	--	--	--	
Nepal	--	--	--	--	--	--	--	--	--	--	
New Caledonia	--	--	--	--	--	--	--	--	--	--	
New Zealand	--	--	--	--	--	--	66	307	--	4,200	
Pakistan	48	3,100	17	--	4,400 <sup>e</sup>	--	2,445	1,227	--	40,934	
Papua New Guinea	--	--	--	--	--	--	914 <sup>e</sup>	--	--	11,300 <sup>e</sup>	
Philippines	--	--	3 <sup>e</sup>	--	122 <sup>e</sup>	--	--	--	--	4,376	
Solomon Islands	--	--	--	--	--	--	--	--	--	--	
Sri Lanka	--	--	17	--	69	--	--	--	--	215	
Taiwan	--	--	--	--	--	--	--	--	--	--	
Thailand	--	--	--	--	1,487	--	--	14,852	--	36,432	
Vietnam	--	1,050	1,600	--	953	42,047	--	--	--	10,010	
Regional total	575,000 <sup>e</sup>	561,000 <sup>e</sup>	31,600 <sup>e</sup>	5,785	111,000 <sup>e</sup>	451,000 <sup>e</sup>	3,620,000 <sup>e</sup>	505,000 <sup>e</sup>	--	630,000 <sup>e</sup>	
Share of world total	6.4%	418.7%	44.8%	13.1%	38.9%	93.0%	77.4%	42.4%	--	19.9%	
United States	W	12,500	7,250	520	44,000	1,720 <sup>10</sup>	252,000 <sup>10</sup>	51,700 <sup>10</sup>	--	30,800 <sup>10</sup>	
Share of world total	NA	9.3%	10.3%	1.2%	15.4%	0.4%	5.4%	4.3%	--	1.0%	
World total	9,050,000	134,000	70,600	44,000	285,000	485,000	4,680,000 <sup>9</sup>	1,190,000	--	3,160,000	

See footnotes at end of table.

TABLE 3—Continued  
 ASIA AND THE PACIFIC: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2018<sup>1</sup>  
 (Thousand metric tons unless otherwise specified)

Country	Mineral fuels and related materials		
	Petroleum, crude, including condensate (thousand 42-gallon barrels)	Uranium, mine output, U content (metric tons)	90 <sup>e</sup>
Afghanistan			--
Australia	107,539	5,872	
Bangladesh	4,323 <sup>4</sup>	--	
Bhutan	--	--	
Brunei	36,300	--	
Burma	3,655	--	
Cambodia	--	--	
China	1,390,000	1,890 <sup>e</sup>	
Fiji	--	--	
India	254,200	423	
Indonesia	294,920	--	
Japan	3,138	--	
Korea, North	--	--	
Korea, Republic of	--	--	
Laos	--	--	
Malaysia	236,000	--	
Mongolia	6,389	--	
Nepal	--	--	
New Caledonia	--	--	
New Zealand	8,949	--	
Pakistan	32,630	45 <sup>e</sup>	
Papua New Guinea	16,400 <sup>e</sup>	--	
Philippines	1,264	--	
Solomon Islands	--	--	
Sri Lanka	--	--	
Taiwan	29	--	
Thailand	47,158	--	
Vietnam	102,401	--	
Regional total	2,550,000 <sup>e</sup>	8,230 <sup>e</sup>	
Share of world total	8.2%	14.7%	
United States	4,000,000 <sup>10</sup>	582 <sup>11</sup>	
Share of world total	12.8%	1.0%	
World total	31,200,000	55,800	

See footnotes at end of table.

TABLE 3—Continued  
 ASIA AND THE PACIFIC: PRODUCTION OF SELECTED MINERAL COMMODITIES IN 2018<sup>1</sup>

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<sup>5</sup>Estimated. NA Not available. W Withheld to avoid disclosing company proprietary data. -- Zero or zero percent.

<sup>1</sup>Table includes data available through December 20, 2020. All data are reported unless otherwise noted. World totals, U.S. data, and estimated data are rounded to no more than three significant digits; may not add to totals shown. Percentages are calculated using unrounded data.

<sup>2</sup>Includes secondary production.

<sup>3</sup>Primary production also includes undifferentiated (primary and secondary) production for some countries listed.

<sup>4</sup>Data are fiscal year

<sup>5</sup>Less than 1/2 unit.

<sup>6</sup>Although lithium production data may be reported in different forms in the individual country chapters, the data have been converted to lithium carbonate equivalent in this summary chapter.

<sup>7</sup>Less than .05 percent.

<sup>8</sup>Lignite is referred to as bituminous coal in North Korea.

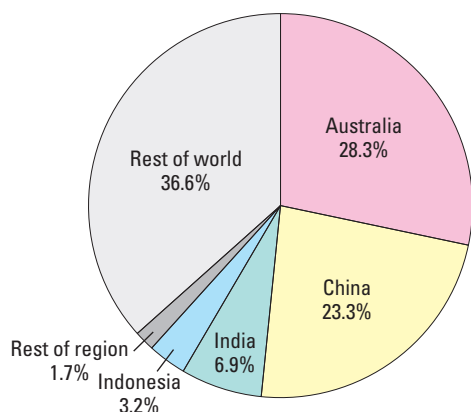
<sup>9</sup>Also contains a minimal amount of undifferentiated anthracite.

<sup>10</sup>Source: U.S. Energy Information Administration.

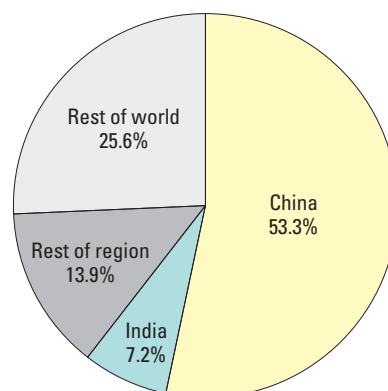
<sup>11</sup>Source: World Nuclear Association.

## Asia and the Pacific region

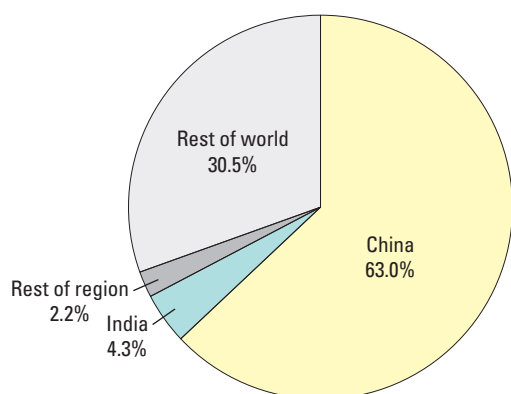
### Bauxite



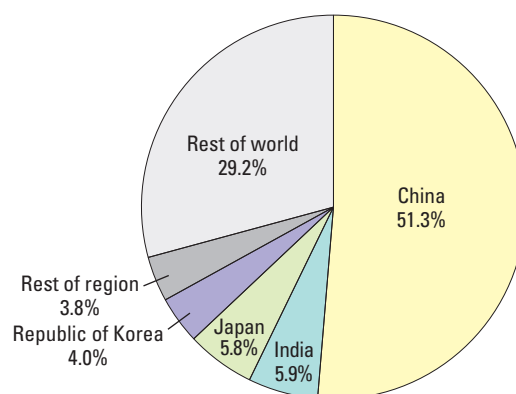
### Cement, hydraulic



### Graphite

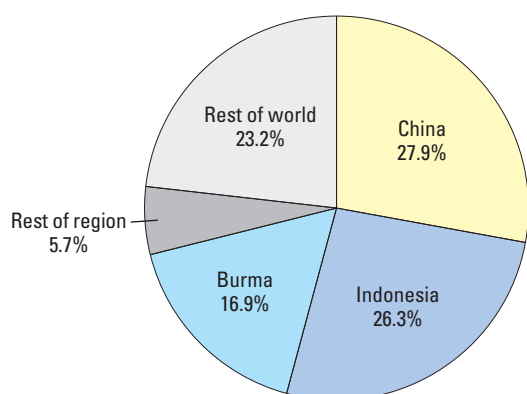


### Steel, raw



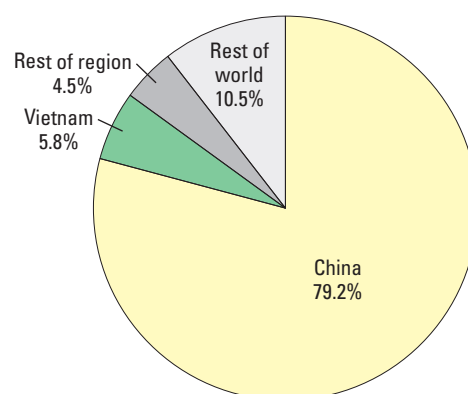
### Tin

(Sn content of mine output)



### Tungsten

(W content of mine output)



**Figure 2.** Pie charts showing percentage of world production of selected mineral commodities (bauxite, hydraulic cement, graphite, raw steel, tin, and tungsten) by countries of the Asia and the Pacific region in 2018. Individual countries of the region are labeled if they accounted for at least 3% of world production. Data are from table 3; however, percentages may differ slightly from those shown in table 3 because of independent rounding. Also, percentages may differ from those reported in individual country chapters owing to differences in the source or date of reporting.