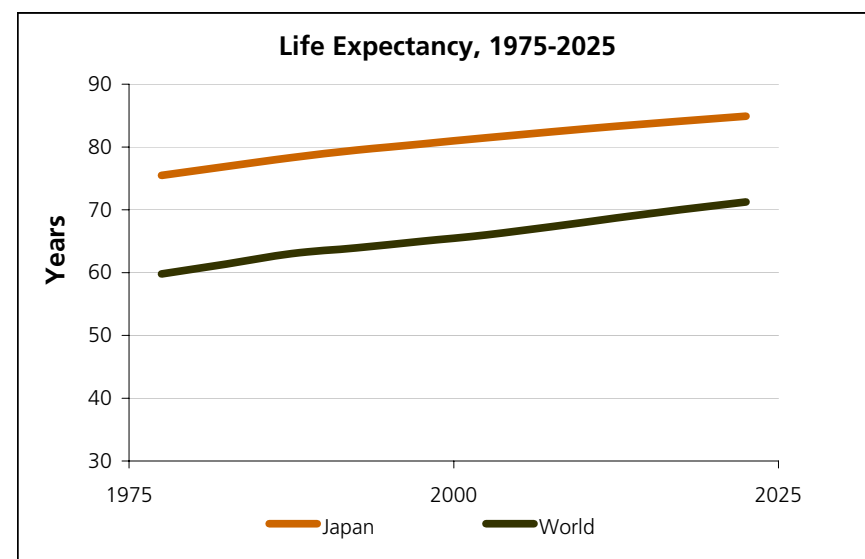
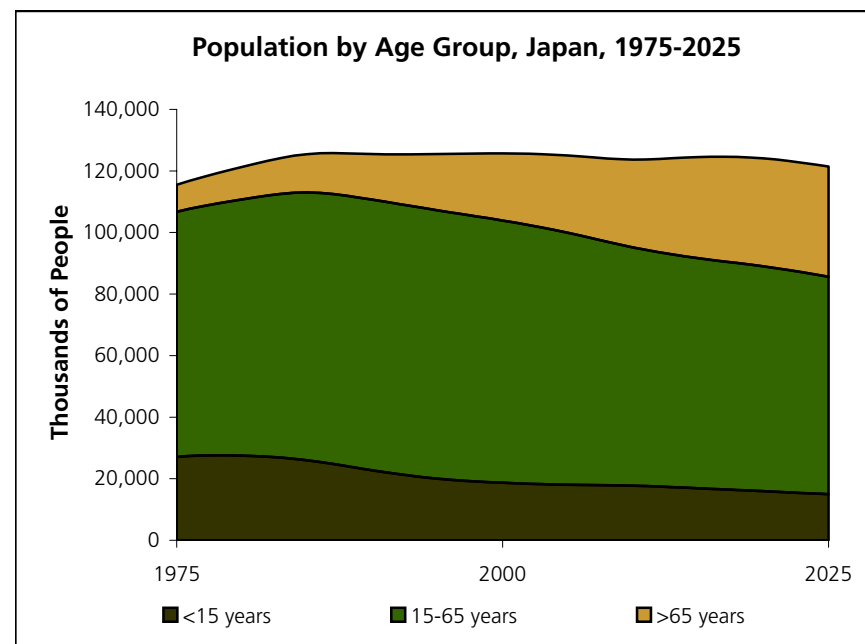


Demographic and Health Indicators	Japan	Asia (excl. Middle East)	World
Total Population (in thousands of people)			
1950	83,625	1,331,635	2,519,495
2002	127,538	3,493,424	6,211,082
2025 (projected)	123,798	4,345,549	7,936,741
Population Density (people per square km), 2000:	336.4	136.5	45.1
Average Annual Population Growth Rate, 1980-2000			
Total	0.4%	1.6%	1.6%
In rural areas	-0.2%	0.9%	0.9%
In urban areas	0.6%	3.1%	2.4%
Percentage of Population:			
Under age 15, 2002	14%	29%	29%
Over age 65, 2002	18%	6%	7%
Living in Urban Areas, 2000	79%	35%	47%
Average Total Fertility Rate {a}			
1975-1980	1.8	4.1	3.9
2000-2005	1.3	2.5	2.7
Infant Mortality Rate {b}, 2000-2005	3	51	55
Under-Five Mortality Rate {b}, 2000	4	X	83
Life Expectancy at birth (years), 2000-05			
Female	85.0	69.6	68.1
Male	77.8	66.3	63.9
Births Attended by Trained Personnel, 1994-2000 {c}	100%	X	57%
Adults and Children Infected with HIV/AIDS, 2001 (number)	12,000	6,150,940	40,000,000
Percent of Adults Ages 15-49 infected with HIV or AIDS, 2001	0.1%	0.4%	1.2%
Number of Children Orphaned by AIDS since the beginning of epidemic, 2001	2,000	X	14,000,000
<b>Safe Water and Sanitation {c}</b>			
Access to Improved Sanitation, 2000			
Urban	X	70%	85%
Rural	X	31%	40%



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## Population, Health, and Human Well-Being-- Japan

	Japan	Asia (excl. Middle East)	World
<b>Safe Water and Sanitation {c}</b>			
Access to an Improved Water Source, 2000			
Urban	X	94%	95%
Rural	X	74%	71%
<b>School Enrollment and Literacy {c}</b>			
Net Primary School Enrollment, both sexes			
1980	X	X	X
1997-1999 {c}	102%	X	X
Net Secondary School Enrollment, 1997-1999 {c}			
Female	100%	X	X
Male	100%	X	X
Gross Tertiary School Enrollment, 1996-99 {c}	44%	X	X
Adult Literacy Rate, 2002			
Female	X	66%	75%
Male	X	82%	86%
Youth Literacy Rate (ages 15-24), both sexes			
1980	X	76%	80%
2002	X	85%	87%

### Literacy Rate for Adults over the age of 15, Japan, 1980-2000

#### Other Resources:

Country Profiles of the Food and Agriculture Organization  
of the United Nations, Economic Situation:

<http://www.fao.org/countryprofiles/index.asp?subj=3&iso3=JPN>

#### Footnotes:

- Total fertility rate is an estimate of the number of children an average woman would have if current age-specific fertility rates remain constant during her reproductive years.
- In deaths per 1,000 live births. Infant mortality rate refers to children under one year of age.
- Data are for the most recent year within the range specified.

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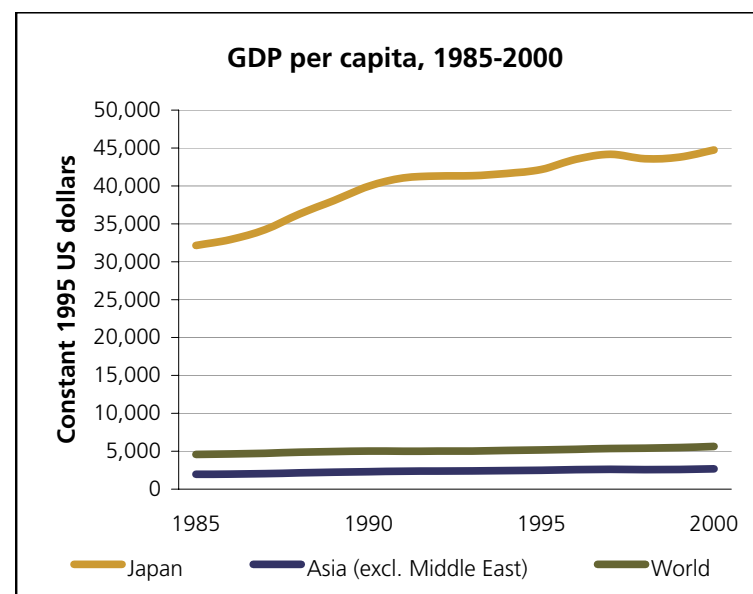
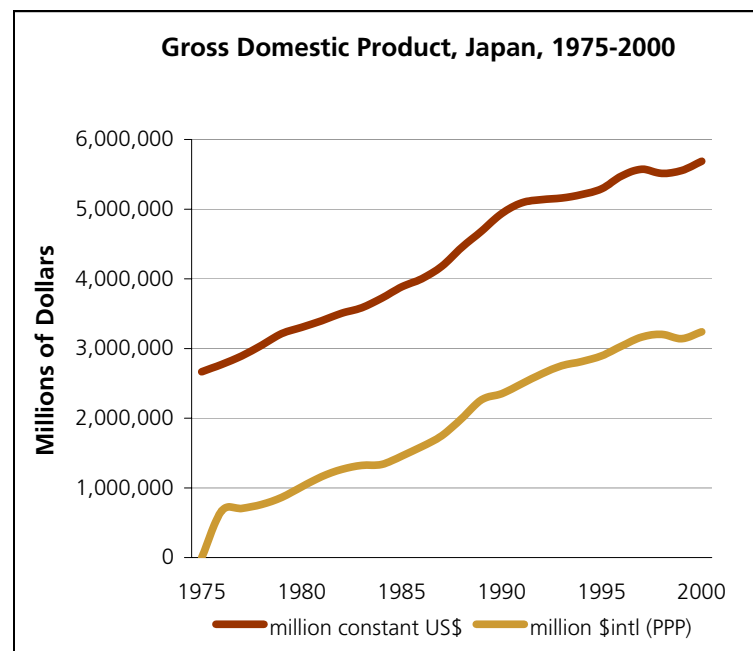
	Japan	Asia (excl. Middle East)	World
<b>Gross Domestic Product, 2000</b>			
GDP in million constant 1995 US dollars	5,687,635	8,913,075	34,109,900
GDP PPP (million current international dollars) {a}	3,394,373	14,443,434	44,913,910
Gross National Income (PPP, in million current international dollars), 2000 {a}	3,436,140	14,332,825	44,458,520
GDP per capita, 2000			
in 1995 US dollars	44,751	2,670	5,632
in current international dollars	26,707	4,327	7,416
Average annual growth in GDP, 1991-2000			
Total	1%	3%	3%
Per capita	1%	1%	1%
Percent of GDP earned by:			
Agriculture, 2000	X	X	X
Industry, 2000	X	X	X
Services, 2000	X	X	X

## International Trade

	Japan	Asia (excl. Middle East)	World
Trade in Goods and Services (million current \$US)			
Imports, 2000	X	819,978	X
Exports, 2000	X	895,412	X
Exports as a percent of GDP, 2000	X	X	X
Balance of Trade, 2000 (million current \$US)	X	X	X

## Official Development Assistance (ODA ) and Financial Flows

	Japan	Asia (excl. Middle East)	World
ODA in million US dollars, 1998-2000 {b}	X	X	59,073
ODA per capita in US dollars, 1998-2000 {b}	X	4	10
Current Account Balance (million \$US), 2000	116,883	X	X
Total external debt, million \$US, 1998-2000 {b}	X	X	X
Debt service as a % of export earnings, 1995-97 {b}	X	X	X
Foreign Direct Investment, net inflows (million current \$US), 2000	8,227	71,197	X
International Tourism Receipts, 1995-1997 (million \$US)	3,875	X	X



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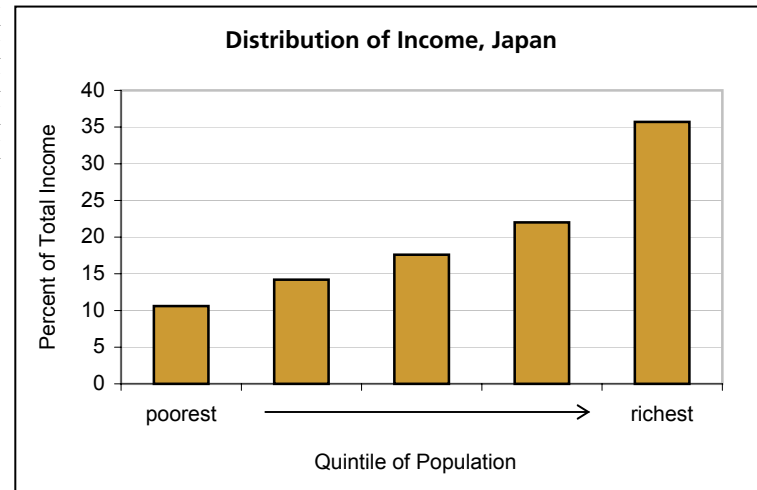
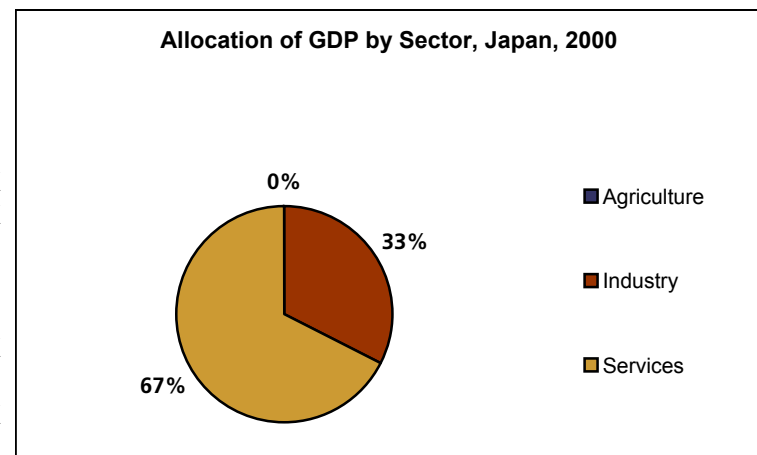
## Economic Indicators -- Japan

	Japan	Asia (excl. Middle East)	World
<b>National Savings (as a percent of Gross National Income)</b>			
Gross National Savings, 2000	29%	30%	23%
Net National Savings, 2000	13%	17%	X
Adjusted Net Savings, 2000	18%	19%	X
<b>Income Distribution (years vary)</b>			
Gini coefficient (0=perfect equality; 100=perfect inequality)	25	X	X
Percent of total income earned by the richest 20% of the population:	35.7%	X	X
Percent of total income earned by the poorest 20% of the population:	10.6%	X	X
National Poverty Rate	X	X	X
Poverty Rate, Urban Population	X	X	X
Percent of population living on less than \$1 a day	X	X	X
Percent of population living on less than \$2 a day	X	X	X

### Other Resources:

Country Profiles of the Food and Agriculture Organization of the United Nations, Economic Situation:

<http://www.fao.org/fi/fcp/en/JPN/profile.htm>



a. Data are in international dollars, adjusted for purchasing power parity (PPP). PPP rates provide a standard measure allowing comparison of real price levels between countries. b. Data are averaged for the range of years listed.

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Carbon Dioxide (CO <sub>2</sub> ) Emissions {a} (in thousand metric tons of CO <sub>2</sub> )	Japan	Asia (excl. Middle East)	World
Total Emissions, 1998	1,133,468	7,360,942	24,215,376
Percent change since 1990	6%	38%	8%
Emissions as a percent of global CO <sub>2</sub> production	4.7%	30.4%	
Emissions in 1998 from:			
solid fuels	343,947	4,020,885	8,654,368
liquid fuels	612,635	2,304,231	10,160,272
gaseous fuels	136,359	580,898	4,470,080
gas flaring	0	22,391	172,208
cement manufacturing	40,526	432,537	758,448

Per capita CO <sub>2</sub> emissions, 1998 (thousand metric tons of CO <sub>2</sub> )	9.0	2.1	4.1
Percent change since 1990	3%	19%	-2%
CO <sub>2</sub> emissions (in metric tons) per million dollars Gross Domestic Product {b}, 1998	213	X	773
Percent change since 1990	-5%	X	-10%
Cumulative CO <sub>2</sub> emissions, 1900-1999 (in billion metric tons)	34,294	161,972	933,686

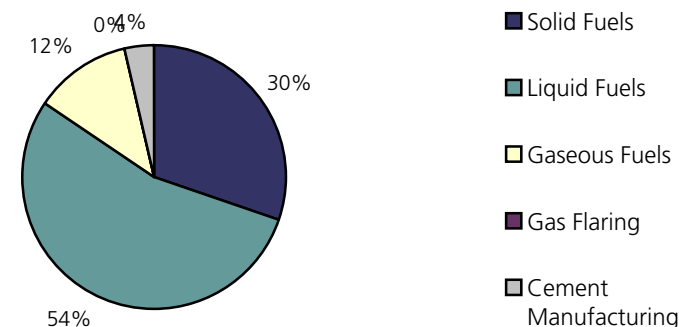
### CO<sub>2</sub> Emissions by Sector, 1999 {c} (in million metric tons of CO<sub>2</sub>)

Public electricity, heat production, and autoproducers	398	2,697	8,693
Other Energy Industries	51	312	1,205
Manufacturing Industries and Construction	261	1,915	4,337
Transportation	253	943	5,505
Residential	71	471	1,802
Other Sectors {d}	130	580	5,640
<b>Total Emissions All Sectors:</b>	<b>1,163</b>	<b>6,918</b>	<b>27,180</b>

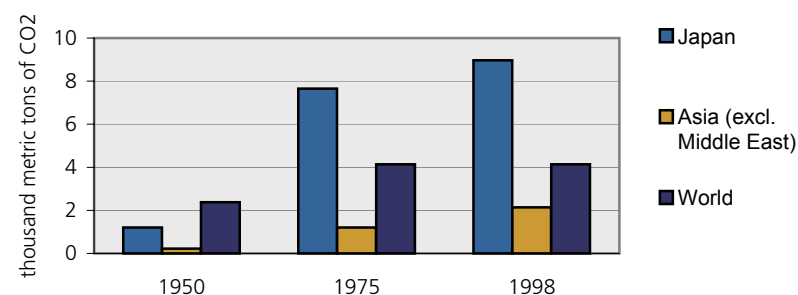
### CO<sub>2</sub> Intensity, 1999

Emissions per total energy consumption (metric tons CO <sub>2</sub> per terajoule energy)	54	56	56
Emissions per Gross Domestic Product {e} (metric tons of CO <sub>2</sub> /million \$PPP)	391	540	582

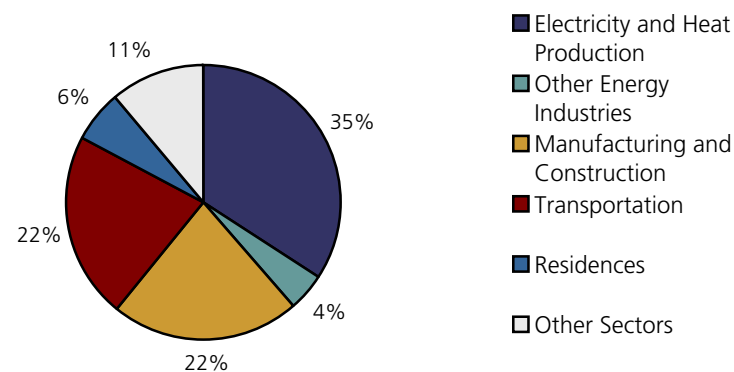
CO<sub>2</sub> Emissions by Source, Japan, 1998



Per Capita CO<sub>2</sub> Emissions: 1950, 1975 and 1998



CO<sub>2</sub> Emissions by Sector, Japan, 1999



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## Atmosphere and Climate-- Japan

	Japan	Asia (excl. Middle East)	World
<b>Non-CO2 Air Pollution, thousand metric tons</b>			
Sulfur dioxide emissions, 1995	2,162	55,129	141,875
Nitrogen oxide emissions, 1995	2,865	28,962	99,271
Carbon monoxide emissions, 1995	10,915	258,325	852,415
Non-methane VOC emissions {f}, 1995	5,852	42,036	159,634

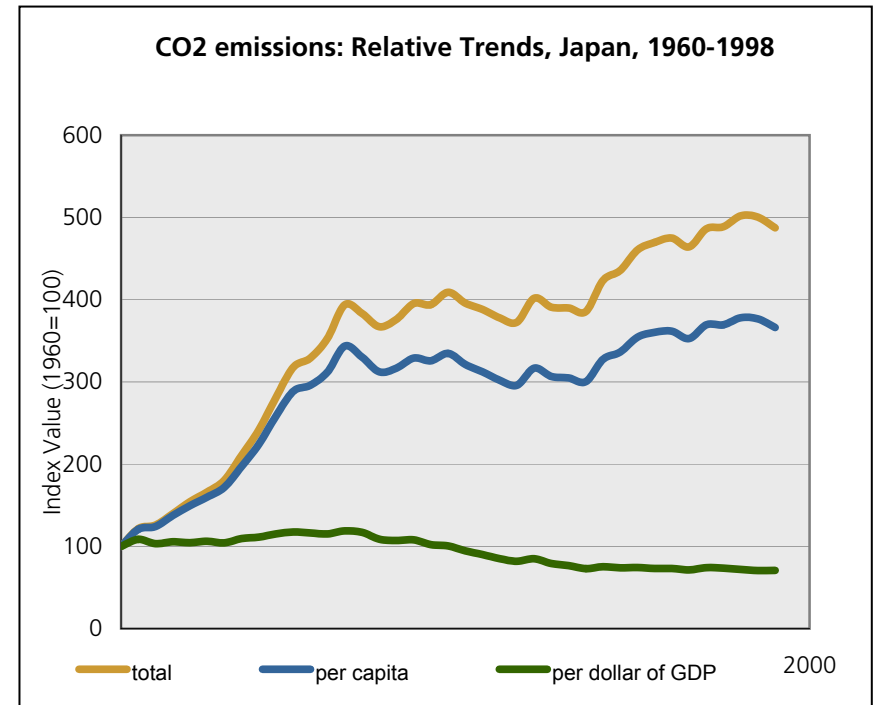
### Multilateral Agreements Status as of September 2002

Data show the year each country ratified the agreement, unless labeled as "signed only".

Kyoto Protocol	2002
United Nations Framework Convention on Climate Change (UNFCCC)	1993
Vienna Convention	1988

### Other Resources:

Sustainable Development Country Profile of the Food and Agriculture Organization of the United Nations:  
<http://www.fao.org/countryprofiles/index.asp?subj=2&iso3=>



### Footnotes:

Some footnotes are not incorporated here. Please refer to the Data Tables section of EarthTrends for a full listing.

- a. Source: Carbon Dioxide Information Analysis Center (CDIAC).
- b. Constant US dollars.
- c. Source: International Energy Agency (IEA).
- d. Includes the commercial sector, agriculture, the public service sector, and international bunkers
- e. GDP is in 1995 international dollars, adjusted for Purchasing Power Parity.
- f. VOC: Volatile Organic Compounds.

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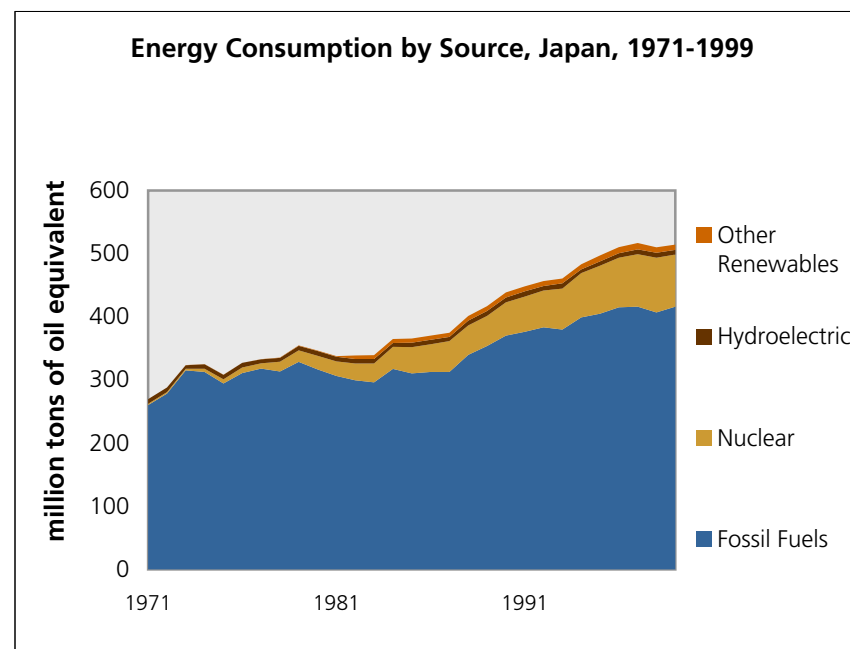
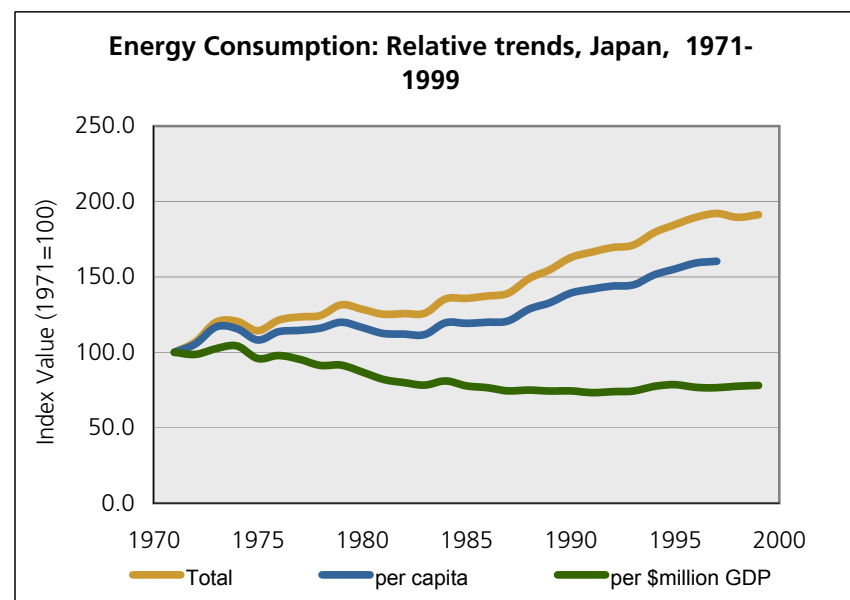
Energy Production and Consumption (in thousand metric tons of oil equivalent) {a}	Japan	Asia (excl. Middle East)	World
Total energy production, 2000	105,636	2,435,747	10,077,984
% change since 1980	144%	108%	37%
Energy imports, 1997	427,020	1,076,015	9,521,506
Energy exports, 1997	10,557	392,653	3,419,104
Total energy consumption {b}, 1999	515,447	2,919,333	9,702,786
Electricity consumption, 1999	81,064	260,920	1,040,770
Energy consumption per capita, 1997	4.09	0.90	1.64
% change since 1990	15%	13%	0%
Energy consumption per GDP {c}, 1999:	174	221	244
% change since 1990	5%	-14%	-13%

### Energy Consumption by Source, 1999 (in thousand metric tons oil equivalent)

Total Fossil Fuels	416,131	2,175,366	7,689,047
Coal and coal products	87,593	1,013,218	2,278,524
Crude oil and natural gas liquids	223,494	829,930	3,563,084
Natural gas	62,110	277,374	2,012,559
Nuclear	82,512	117,291	661,901
Hydroelectric	7,432	44,424	222,223
Renewables, excluding hydroelectric:	8,325	578,643	1,097,889
Primary solid biomass (includes fuelwood)	4,332	561,751	1,035,139
Biogas and liquid biomass	0	1,276	14,931
Geothermal	3,200.9	14,658	43,802
Solar	788.7	865	2,217
Wind	3.2	94	1,748
Tide, wave, and ocean	0.0	0	53

### Energy Consumption by Sector, 1999 (in thousand metric tons of oil equivalent)

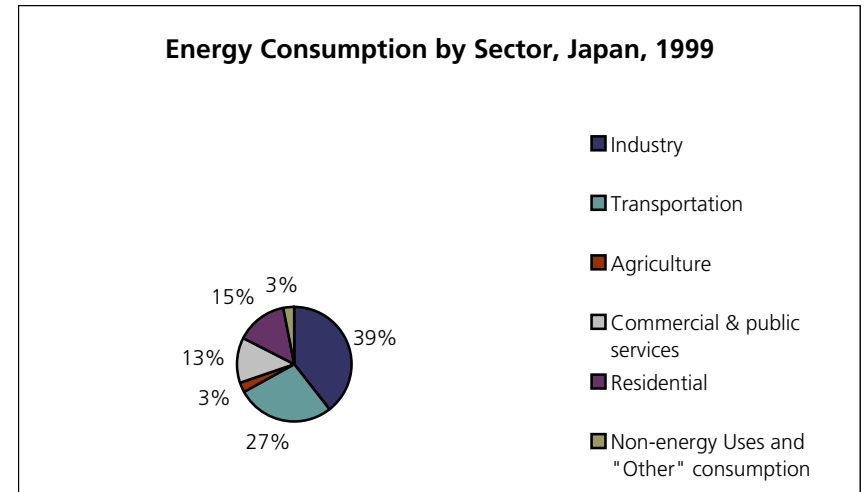
Industry	134,846	752,092	2,140,474
Transportation	93,639	335,749	1,755,505
Agriculture	9,978	64,834	166,287
Commercial & public services	43,827	101,129	511,555
Residential	49,630	731,518	1,845,475
Non-energy uses and "other" consumption	10,070	79,643	333,981
Total final energy consumption {d}	341,989	2,064,965	6,753,276



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## Energy and Resources-- Japan

	Japan	Asia (excl. Middle East)	World
<b>Resource Consumption</b>			
Passenger cars per 1000 people, 1998	395	X	109
Annual motor gasoline consumption, 2000 (liters per person)	449	48	179
Annual meat consumption, 1998 (kg per person)	42	25	38
Annual paper consumption, 2000 (kg per person)	250	30	53
Annual coffee consumption, 2001 (kg per person)	3	X	X



### Footnotes:

- One metric ton of oil equivalent (toe) is defined as 10 Exp. 7 kilocalories or 41.868 gigajoules, equal to the amount of energy contained in 1 metric ton of crude oil.
- In metric tons of oil equivalent per million constant 1995 international dollars.  
TPES = Energy Production + Imports - Exports - Stock Changes - Consumption by International Marine Bunkers
- In metric tons of oil equivalent per million constant 1995 international dollars.
- "Total final consumption" is calculated as the sum of energy consumption by sectors.

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