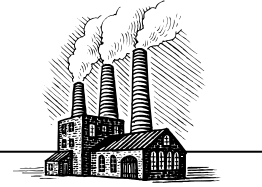


Global Carbon Dioxide Emissions



The statistics below is a ranking of the world's countries by 2002 total CO₂ emissions from fossil-fuel burning, cement production, and gas flaring. Emissions (CO₂_TOT) are expressed in **thousand** metric tons of carbon (not CO₂). National per capita estimates (CO₂_CAP) are expressed in metric tons of carbon.

1. On an outline map of the world, draw located proportional circles representing the total carbon dioxide emissions from the 20 largest emitters. Be sure to add all of the usual map essentials! Describe the distribution plotted on the map, and your conclusions, in writing. Make special note of any relationship you see between carbon dioxide emissions and the development process.
2. Re-rank these top 20 emitter nations by the national per capita estimates of carbon dioxide emissions. On your map of the world, draw located proportional people representing the national per capita estimates of carbon dioxide emissions. Add to your written analysis by describing the relationship you see between the size of per capita carbon dioxide emitters and the development process.

RANK	NATION	CO ₂ _TOT	CO ₂ _CAP
1	UNITED STATES OF AMERICA	1592382	5.52
2	CHINA (MAINLAND)	957249	0.74
3	RUSSIAN FEDERATION	390439	2.69
4	INDIA	332677	0.32
5	JAPAN	327939	2.57
6	GERMANY	219270	2.66
7	UNITED KINGDOM	148129	2.50
8	CANADA	140915	4.49
9	REPUBLIC OF KOREA	121578	2.55
10	ITALY (INCLUDING SAN MARINO)	117989	2.05
11	MEXICO	104543	1.01
12	FRANCE (INCLUDING MONACO)	100358	1.69
13	ISLAMIC REPUBLIC OF IRAN	98153	1.50
14	AUSTRALIA	97096	4.94
15	SOUTH AFRICA	94110	2.07
16	SAUDI ARABIA	92794	4.22
17	BRAZIL	85492	0.49
18	UKRAINE	83599	1.73
19	INDONESIA	83513	0.39
20	SPAIN	82998	2.03

