

Industry, War and Power - Power Ranking
IB History - Unit 1, WWI

Carefully examine the six charts provided. Note the order of the countries and years listed change between the charts. Feel free to annotate the charts as you wish.

Chart 1 -- Military and naval personnel, 1880-1914

	1880	1890	1900	1910	1914
Russia	791,000	677,000	1,162,000	1,285,000	1,352,000
France	543,000	542,000	715,000	769,000	910,000
Germany	426,000	504,000	524,000	694,000	891,000
Britain	367,000	420,000	624,000	571,000	532,000
Austria-Hungary	246,000	346,000	385,000	425,000	444,000
Italy	216,000	284,000	255,000	322,000	345,000
Japan	71,000	84,000	234,000	271,000	306,000
United States	34,000	39,000	96,000	127,000	164,000

Chart 2 -- Warship tonnage of the powers, 1880-1914

	1880	1890	1900	1910	1914
Britain	650,000	679,000	1,065,000	2,174,000	2,714,000
France	271,000	319,000	499,000	725,000	900,000
Russia	200,000	180,000	383,000	401,000	679,000
United States	169,000	240,000	333,000	824,000	985,000
Italy	100,000	242,000	245,000	327,000	498,000
Germany	88,000	190,000	285,000	964,000	1,305,000
Austria-Hungary	60,000	66,000	87,000	210,000	372,000
Japan	15,000	41,000	187,000	496,000	700,000

Chart 3 -- Per-capita levels of industrialization, 1880-1938 (relative to Great Br in 1900)

		1880	1900	1913	1928	1938	
1	Great Britain	87	[100]	115	122	157	2
2	United States	38	69	126	182	167	1
3	France	28	39	59	82	73	4
4	Germany	25	52	85	128	144	3
5	Italy	12	17	26	44	61	5
6	Austria	15	23	32	-	-	-
7	Russia	10	15	20	20	38	7
8	Japan	9	12	20	30	51	6

Chart 4 -- Iron and steel production, 1890-1938 (millions of tons; pig-iron in 1890, iron after)

	1880	1900	1910	1913	1920	1930	1938
United States	9.3	10.3	26.5	31.8	42.3	41.3	28.8
Great Britain	8.0	5.0	6.5	7.7	9.2	7.4	10.5
Germany	4.1	6.3	13.6	17.6	7.6	11.3	23.2
France	1.9	1.5	3.4	4.6	2.7	9.4	6.1
Austria-Hungary	0.97	1.1	2.1	2.6	-	-	-
Russia	0.95	2.2	3.5	4.8	0.06	5.7	18.0
Japan	0.02	-	0.16	0.25	0.84	2.3	7.0
Italy	0.01	0.00	0.73	0.93	0.73	1.7	2.3

Chart 5 -- Total industrial potential, 1880-1938 (relative to Great Br in 1900)

	1880	1900	1913	1928	1938
Great Britain	73.3	[100]	127.2	135	181
United States	46.9	127.8	298.1	533	528
Germany	27.4	71.2	137.7	158	214
France	25.1	36.8	57.3	82	74
Russia	24.5	47.5	76.6	72	152
Austria-Hungary	14	25.6	40.7	-	-
Italy	8.1	13.6	22.5	37	46
Japan	7.6	13	25.1	45	88

Chart 6 -- Energy consumption, 1890-1938 (in millions of metric tons of coal equivalent)

	1880	1900	1910	1913	1920	1930	1938
United States	147	248	483	541	694	762	697
Great Britain	145	171	185	195	212	184	196
Germany	71	112	158	187	159	177	228
France	36	47.9	55	62.5	65	97.5	84
Austria-Hungary	19.7	29	40	49.4	-	-	-
Russia	10.9	30	41	54	14.3	65	177
Japan	4.6	4.6	15.4	23	34	55.8	96.5
Italy	4.5	5	9.6	11	14.3	24	27.8

Complete the following with your group:

1. Using the information in the above charts, rank the countries according to how powerful they were in 1914. What criteria are you using? What is your definition of power in this context?
2. What conclusions can you draw about the relationship between the information and a country's ability to conduct a war?
3. Compare and contrast each country's pre-war and post-war figures. What conclusions can we draw from the comparison? How did this affect your "power ranking"?