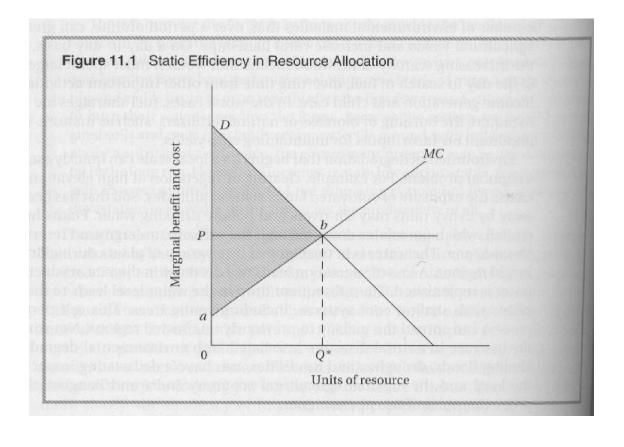
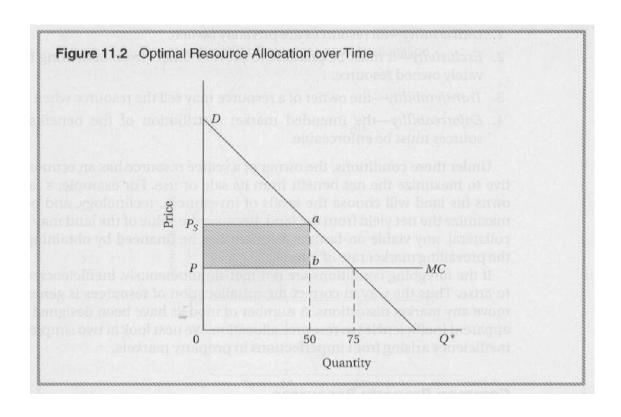
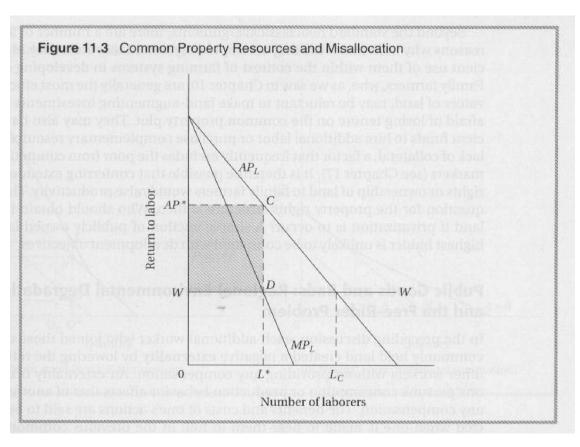
Chapter 11

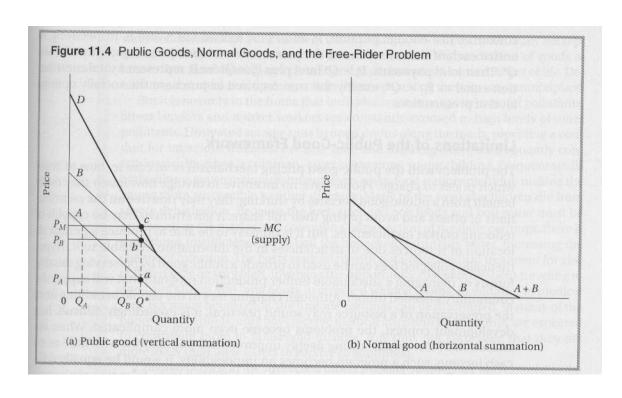
Environmental Problem	Effect on Health	Effect on Productivity Declining fisheries; rural household time and municipal costs of providing safe water; aquifer depletion leading to irreversible compaction; constraint on economic activity because of water shortages Restrictions on vehicle and industrial activity during critical episodes; effect of acid rain on forests and water bodies		
Water pollution and water scarcity	More than 2 million deaths and billions of illnesses a year attributable to pollution; poor household hygiene and added health risks caused by water scarcity			
Air pollution	Many acute and chronic health impacts: excessive urban particulate matter levels are responsible for 300,000 to 700,000 premature deaths annually and for half of childhood chronic coughing; 400 million to 700 million people, mainly women and children in poor rural areas, affected by smoky indoor air			
Solid and hazardous wastes	Diseases spread by rotting garbage and blocked drains; risks from hazardous wastes typically local but often acute	Pollution of groundwater resources		
Soil degradation	Reduced nutrition for poor farmers on depleted soils; greater susceptibility to drought	Field productivity losses in range of 0.5% to 1.5% of gross national product (GNP) common on tropical soils; offsite siltation of reservoirs, river–transport channels, and other hydrologic investments		
Deforestation	Localized flooding, leading to death and disease	Loss of sustainable logging potential and of erosion prevention, watershed stability, and carbon sequestration provided by forests		
Loss of biodiversity	Potential loss of new drugs	Reduction of ecosystem adaptability and loss of genetic resources		

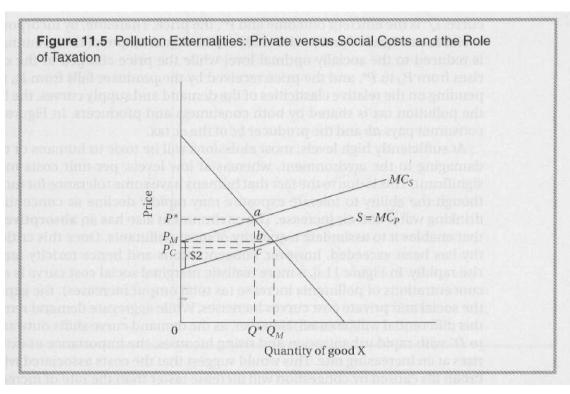
Environmental Problem	Effect on Health	Effect on Productivity Sea-rise damage to coastal investments; regional changes in agricultural productivity; disruption of marine food chain	
Atmospheric changes	Possible shifts in vector- borne diseases; risks from climatic natural disasters; diseases attributable to ozone depletion (perhaps 300,000 additional cases of skin cancer a year worldwide; 1.7 million cases of cataracts)		











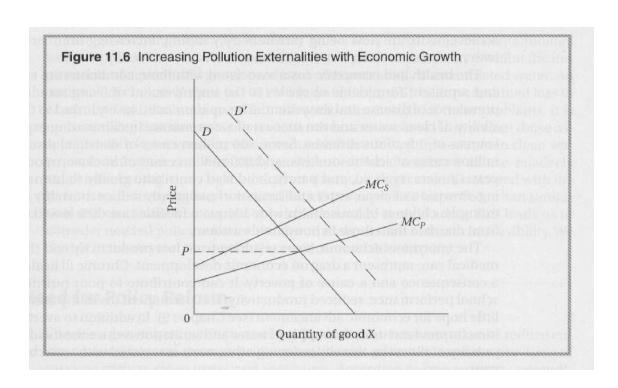


TABLE 11.2 Disparities in Consumption: Annual per Capita Consumption (in PPP dollars) in Selected High-, Medium-, and Low-Income Nations

Country	Total Value of Private Consumption (1997)	Fish (kg) (1997)	Meat (kg) (1998)	Cereals (kg) (1997)	Paper (kg) (1998)	Fossil Fuels (kg of oil equivalent) (1997)	Passenger Cars (per 1,000 people) (1996)
United States	\$21,680	21.0	122.0	975.0	293.0	6,902	489.0
Singapore	\$16,340	34.0	77.0	159.0	168.0	7,825	120.0
Japan	\$15,554	66.0	42.0	334.0	239.0	3,277	373.0
Germany	\$15,229	13.0	87.0	496.0	205.0	3,625	500.0
Poland	\$5,087	12.0	73.0	696.0	54.0	2,585	209.0
Trinidad/Tobago	\$4,864	12.0	28.0	237.0	41.0	6,394	94.0
Turkey	\$4,377	7.2	19.0	502.0	32.0	952	55.0
Indonesia	\$1,808	18.0	9.0	311.0	17.0	450	12.2
China	\$1,410	26.0	47.0	360.0	30.0	700	3.2
India	\$1,166	4.7	4.3	234.0	3.7	268	4.4
Bangladesh	\$780	11.0	3.4	250.0	1.3	67	0.5
Nigeria	\$692	5.8	12.0	228.0	1.9	186	6.7
Zambia	\$625	8.2	12.0	144.0	1.6	77	17.0

Source: World Resources Institute, 2001 World Resources Report: (Washington, D.C.: WRI), p. 27. Reprinted with permission.