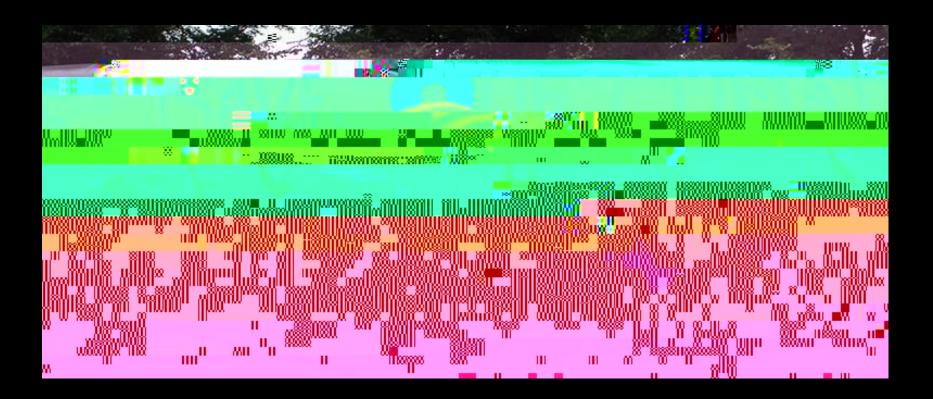
Environmental Debate



12.1 The Economics of Pollution



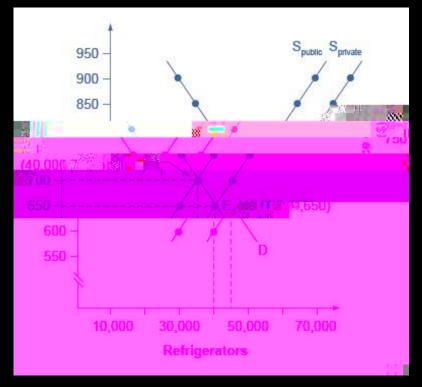
Externalities



Pollution as a Negative Externality

Taking Social Costs into Account: A Supply Shift





Market Failure



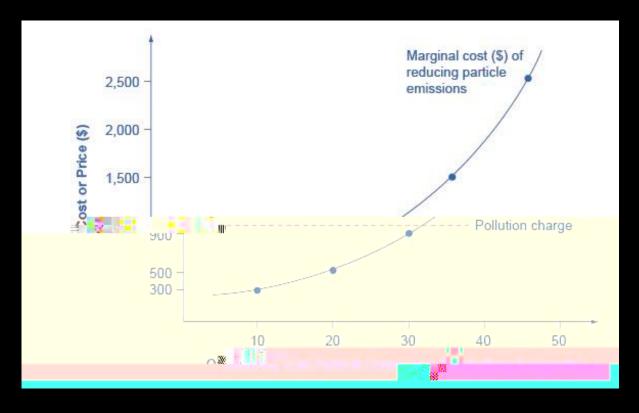
Difficulties with command-and-control environmental regulation



12.3 Market-

A Pollution Charge Example





Marketable Permits



12.4 The Benefits and Costs of U.S. Environmental Laws

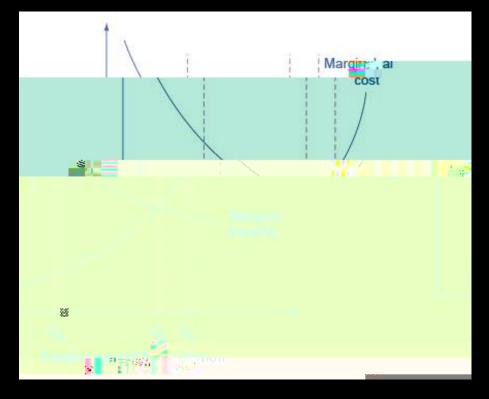


Marginal Benefits and Marginal Costs



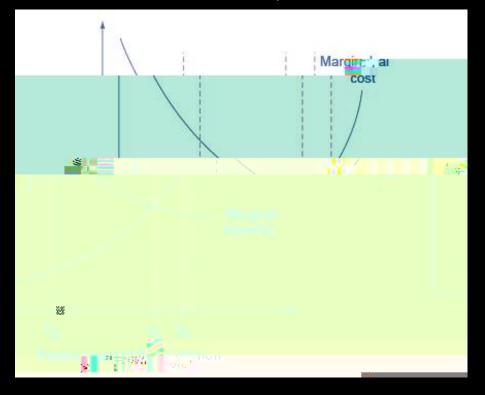
Marginal Costs and Marginal Benefits of Environmental Protection





Marginal Costs and Marginal Benefits of Environmental Protection, Continued





PRINCIPLES OF MICROECONOMICS 2e

Chapter 13 Positive Externalities and Public Goods





CH.13 OUTLINE



View from Voyager



13.1 Why the Private Sector Underinvests in Innovation

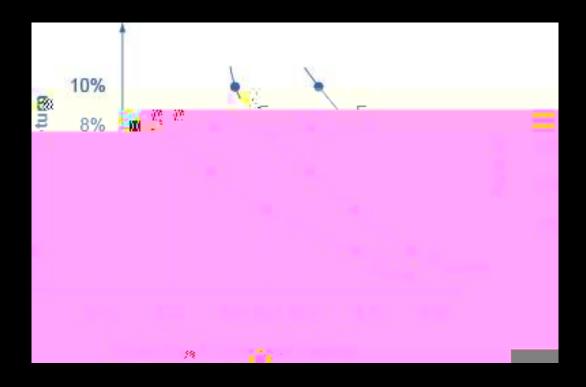


The Positive Externalities of New Technology



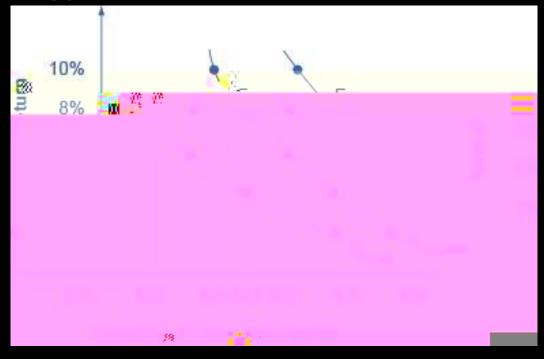
Positive Externalities and Technology





Positive Externalities and Technology, Continued





Society Gains When People Learn



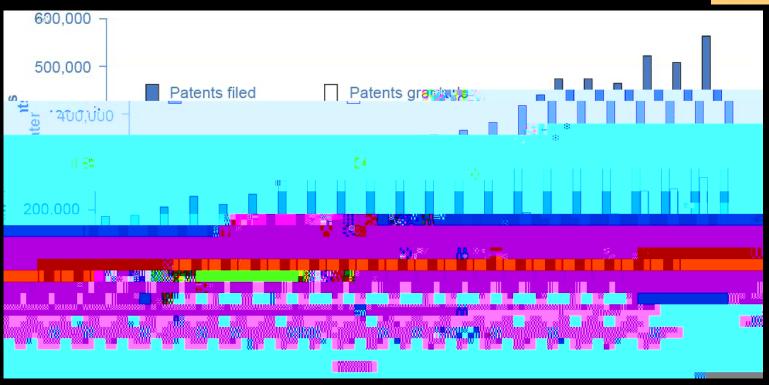
Positive Externalities Response

13.2 How Governments Can Encourage Innovation



Patents Filed and Granted, 1981-2012





Government Spending on Research and Development



Tax Breaks for Research and Development



Cooperative Research



13.3 Public Goods

The Free Rider Problem of Public Goods



The Role of Government in Paying for Public Goods

