## Chapter 2 Lecture - Trade-offs, Comparative Advantage, and the Market System



## **Scarcity and Trade-offs**

Households, firms and governments continually face decisions about how best to use their scarce resources.

Remember the definition of Scarcity: a situation in which unlimited wants exceed the limited resources available to fulfill those wants.

Scarcity requires trade-offs. Economics teaches us tools to help make good trade-offs.

Example: When deciding how to use its scarce workers and machinery, if Tesla wants to produce more Model X SUVs, those resources will not be available to produce Model S sedans.

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# Production Possibilities Frontiers and Opportunity Costs

We use a production possibilities frontier to analyze opportunity costs and trade-offs.

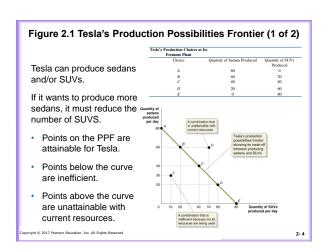
A <u>production possibilities frontier or curve (PPF or PPC)</u> is a curve showing the maximum attainable combinations of two goods that can be produced with available resources and current technology.

Question: Is the PPF a positive or normative tool?

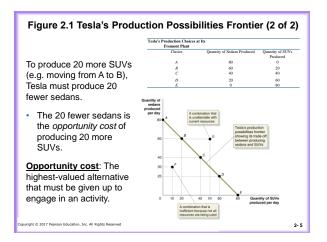
Answer: Positive; it shows "what is", not "what should be".

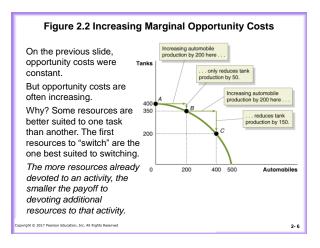
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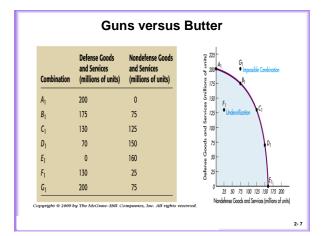


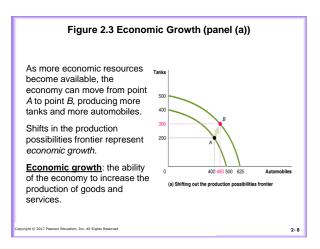


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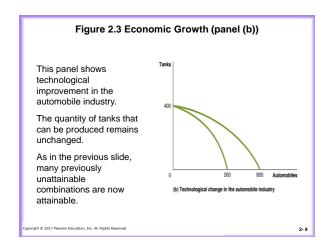






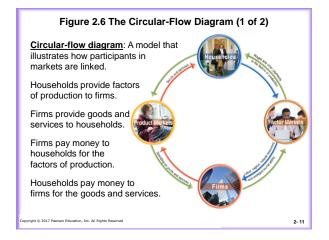


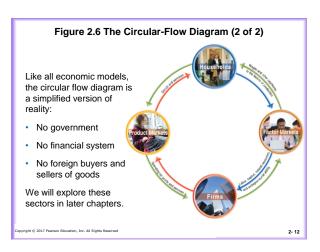
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# The Market System We explain the basics of how a market system works. A market is a group of buyers and sellers of a good or service, and the institution or arrangement by which they come together to trade. Two key groups participate in the modern economy: Households consist of individuals who provide the factors of production: labor, capital, natural resources, and other inputs used to make goods and services. Households receive payments for these factors by selling them to firms in factor markets.

Firms supply goods and services to <u>product markets</u>; households buy these products from the firms.





## The Role of the Entrepreneur Further Examined

An <u>entrepreneur</u> is someone who operates a business, bringing together the factors of production—labor, capital, and natural resources—to produce goods and services.

The best entrepreneurs create products that consumers never even knew they wanted.

"If I had asked my customers what they wanted, they would have said a faster horse."

- Henry Ford

Entrepreneurs make a vital contribution to economic growth, often with considerable personal risk and sacrifice.

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### Table 2.3 Important Products Introduced by Entrepreneurs at Small Firms

Entrepreneurs make a vital contribution to economic growth by

- Responding to consumer demand
- · Introducing new products

Government policies encouraging entrepreneurship are likely to increase economic growth and raise standards of living.

Product Inventor Air conditioning William Haviland Carrier Airplane Orville and Wilbur Wright Henry Ford Automobile, mass produced Automobile windshield wiper Mary Anderson Biomagnetic Imaging Raymond Damadian Biosynthetic insulin Herbert Boyer Philo Farnsworth Vacuum tube (television)

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## The Legal Basis of a Successful Market System

In a free market, government does not restrict how firms produce and sell goods, or how they employ factors of production.

However governments must provide a sound *legal environment* that will allow the market system to succeed, including:

Protection of private property

- When criminals can take your wages or profits, households and firms have little incentive to work hard.
- Property rights: the rights individuals or firms have to the exclusive use of their property, including the right to buy or sell it.

Enforcement of contracts and property rights

- Important for transactions across time to occur.
- · An independent court system is critical for this.

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# Absolute and Comparative Advantage REFER TO CHAPTER 2 LECTURE B - ABSOLUTE AND COMPARATIVE ADVANTAGE Tall dude should specialise in apple picking Short dude should specialise in strawberry picking