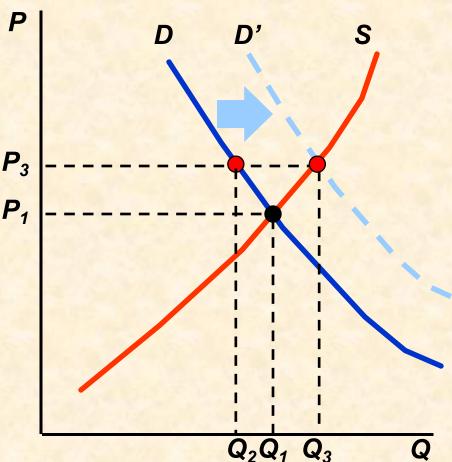
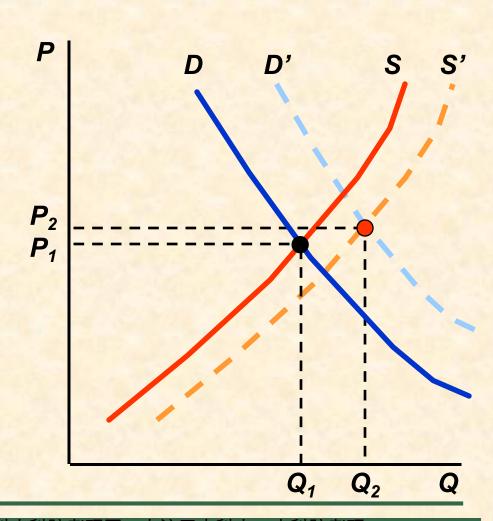
高参考价值的真题、答案、学长笔记、辅导班课程,访问:www.kaoyancas.net Changes in Warket Equilibrium

- Income Increases
 - Demand shifts to D₁
 - Shortage @ P₁ of Q₁, Q₂ P_3
 - Equilibrium @ P₃, Q₃



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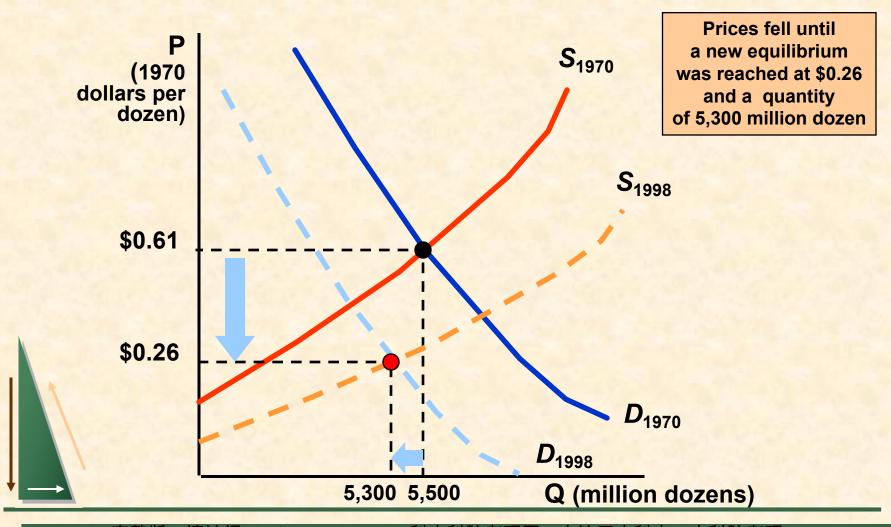
- Income Increases & raw material prices fall
 - The increase in D is greater than the increase in S
 - Equilibrium price and quantity increase to P_2 , Q2



- When supply and demand change simultaneously, the impact on the equilibrium price and quantity is determined by:
 - The relative size and direction of the change
 - 2) The shape of the supply and demand models

- The real price of eggs fell 59% from 1970 to 1998.
- Supply increased due to the increased mechanization of poultry farming and the reduced cost of production.
- Demand decreased due to the increasing consumer concern over the health and cholesterol consequences of eating eggs.

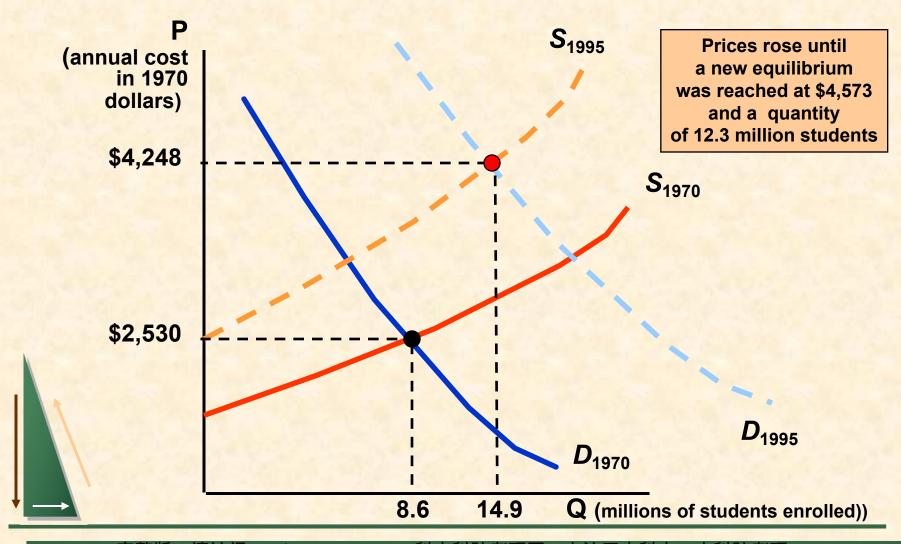
高参考价值的真题、答案、学长笔记、辅导班课程,访问:www.kaoyancas.net Market for Eggs



The Price of a College Education

- The real price of a college education rose 68 percent from 1970 to 1995.
- Supply decreased due to higher costs of equipping and maintaining modern classrooms, laboratories and libraries, and higher faculty salaries.
- Demand increased due a larger percentage of a larger number of high school graduates attending college.

Market for a College Education



- Wage Inequality in the United States
 - Real after-tax income from 1977 to 1999:
 - ◆Rose 40+% for the top 20% of the income distribution
 - ◆ Fell 10+% for the bottom 20%

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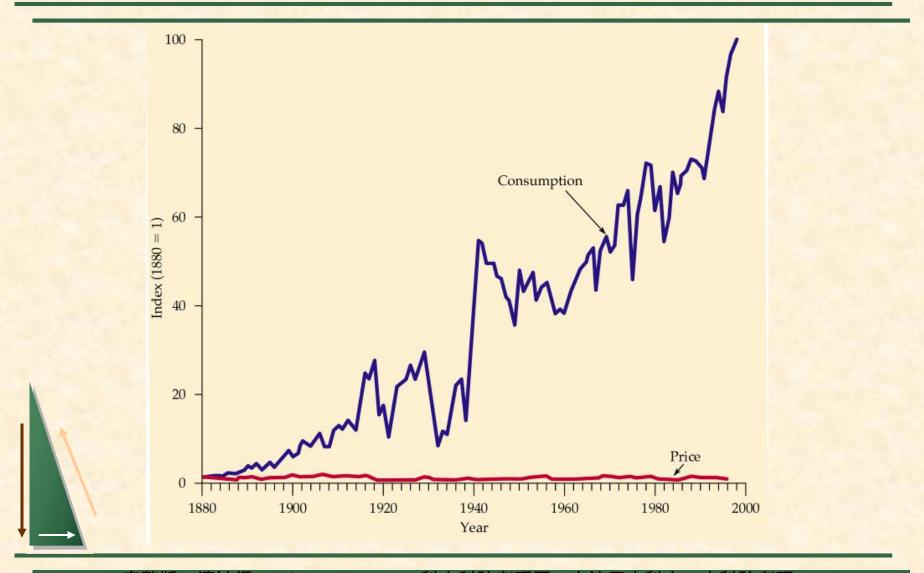
Question

 Why did the income distribution become more unequal for 1977 to 1999?



Consumption & Price of Copper 编导班课程,访问:www.kaoyangasmet

1880-1998

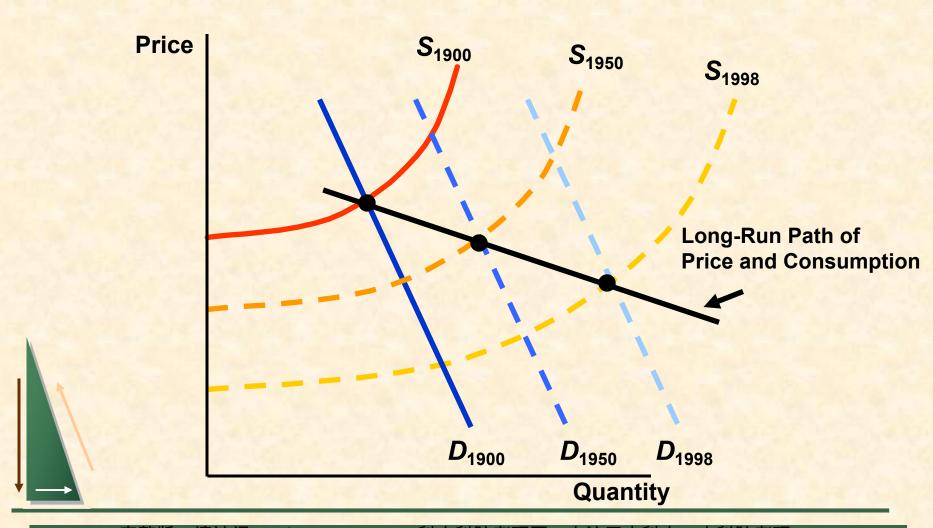


The Long Rung Rehavior, Gio: www.kaoyancas.net of Natural Resource Prices

Observations

- Consumption of copper has increased about a hundred fold from 1880 through 1998 indicating a large increase in demand.
- The real price for copper has remained relatively constant.

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Conclusion

 Decreases in the costs of production have increased the supply by more than enough to offset the increase in demand.



Observation

- To accurately predict the future price of a product or service, it is necessary to consider the potential change in supply and demand.
- 1970 predictions for oil and other minerals proved incorrect because they only considered the demand side of the market.

- Generally, elasticity is a measure of the sensitivity of one variable to another.
- It tells us the percentage change in one variable in response to a one percent change in another variable.



Price Elasticity of Demand

- Measures the sensitivity of quantity demanded to price changes.
 - It measures the percentage change in the quantity demanded for a good or service that results from a one percent change in the price.

The price elasticity of demand is:

$$E_P = (\%\Delta Q)/(\%\Delta P)$$

Price Elasticity of Demand

The percentage change in a variable is the absolute change in the variable divided by the original level of the variable.



Price Elasticity of Demand

So the price elasticity of demand is also:

$$\mathsf{E}_\mathsf{P} = \frac{\Delta \mathsf{Q}/\mathsf{Q}}{\Delta \mathsf{P}/\mathsf{P}} = \frac{\mathsf{P}}{\mathsf{Q}} \frac{\Delta \mathsf{Q}}{\Delta \mathsf{P}}$$

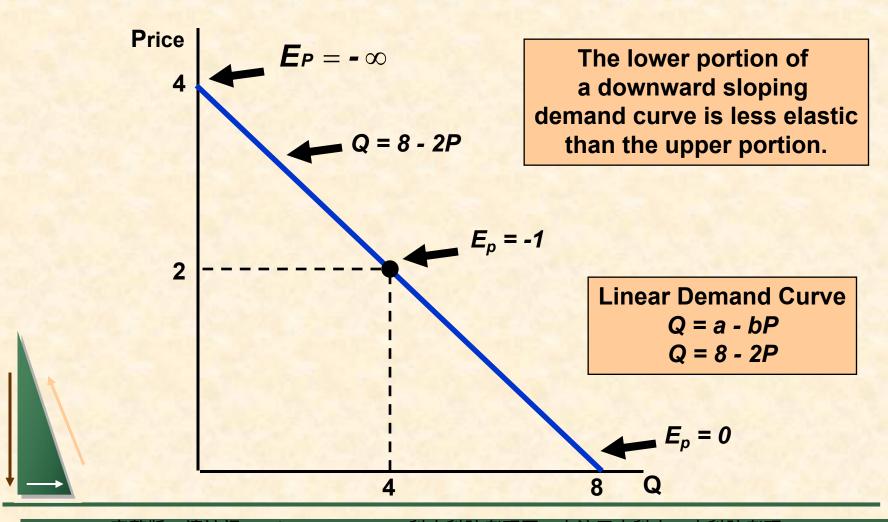
- Interpreting Price Elasticity of Demand Values
 - 1) Because of the inverse relationship between P and Q; E_P is negative.
 - 2) If $E_P > 1$, the percent change in quantity is greater than the percent change in price. We say the *demand is price elastic*.

- Interpreting Price Elasticity of Demand Values
 - 3) If E_P < 1, the percent change in quantity is less than the percent change inprice. We say the *demand* is price inelastic.

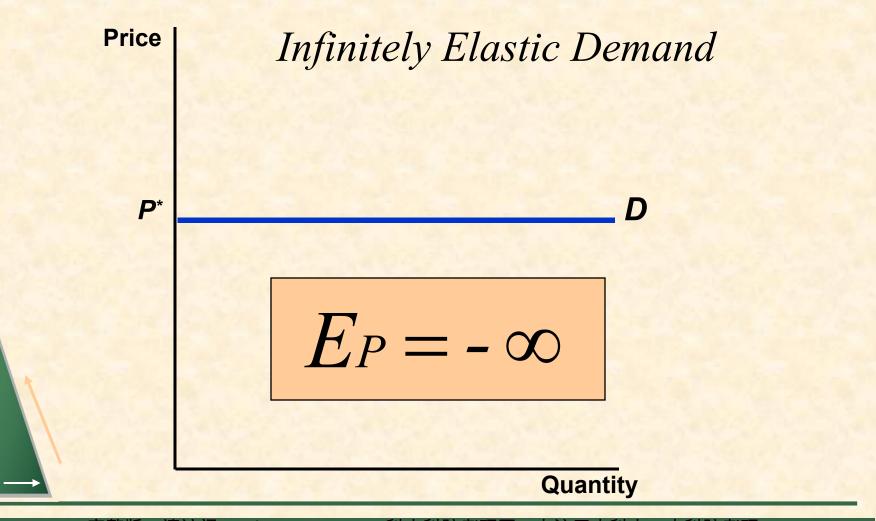
Price Elasticity of Demand

- The primary determinant of price elasticity of demand is the availability of substitutes.
 - Many substitutes demand is price elastic
 - Few substitutes demand is price inelastic

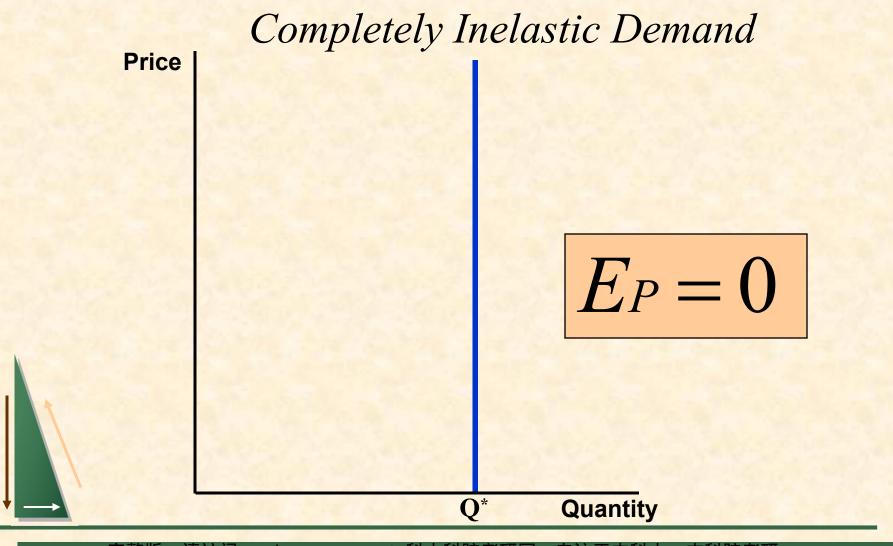
Price Elasticities of Demand



Price Elasticities of Demand



Price Elasticities of Demand



Other Demand Elasticities

Income elasticity of demand measures the percentage change in quantity demanded resulting from a one percent change in income.



Other Demand Elasticities

The income elasticity of demand is:

$$E_{I} = \frac{\Delta Q/Q}{\Delta I/I} = \frac{I}{Q} \frac{\Delta Q}{\Delta I}$$

Other Demand Elasticities

- Cross elasticity of demand measures the percentage change in the quantity demanded of one good that results from a one percent change in the price of another good.
- For example consider the substitute goods, butter and margarine.

The cross elasticity of demand is:

$$E_{QbPm} = \frac{\Delta Q_b/Q_b}{\Delta P_m/P_m} = \frac{P_m}{Q_b} \frac{\Delta Q_b}{\Delta P_m}$$

The cross elasticity for substitutes is positive, while that for complements is negative.

Elasticities of Supply

- Price elasticity of supply measures the percentage change in quantity supplied resulting from a 1 percent change in price.
- The elasticity is usually positive because price and quantity supplied are directly related.