

Demand and Supply 2.1

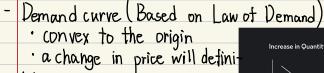
- Market: where buyers and sellers carry out economic transection

- Demand: the quantity of a good or service that consumers

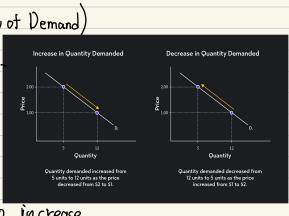
are willing and able to purchase.

The ability to buy -> effective demand (shown on demand curve)

- The Law of demand: Price , Quantity 1, Ceteris paribus (condition of all other things are equal) Eg; Price Quantity demanded 150 372 D.R

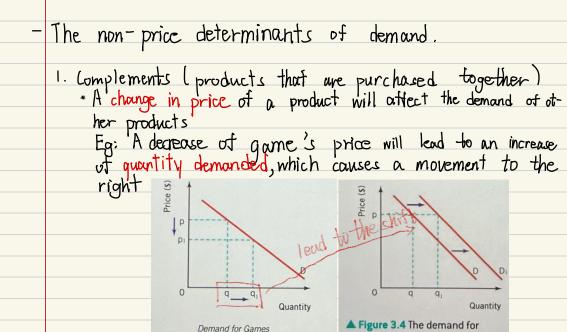


tely . Important phrases: change in the quantity demanded ldifferent from other changes caused other factors)



The reason for demand to increase - Income: when price tall, people's real income increases

- Substitution: when the price of a good is relatively cheaper than others, consumers are more likely to substitute the cheaper good.



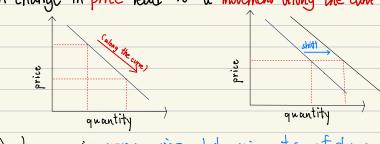
2. Taste and preferences (consumer's taste and preference on consumer's deman 3. The size of population

Games consoles and Games

3. The size of population
4. Changes in the age structure of the population
5. Change in income distribution.

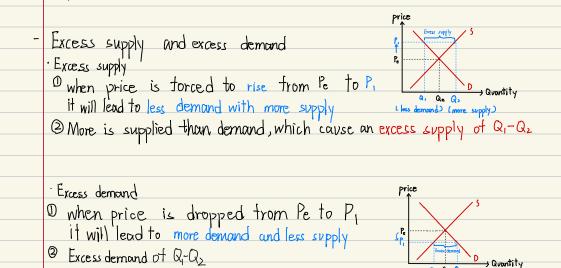
The distinction between a movement along the curve and a shift of the curve

*A change in price lead to a movement along the curv



'A change in non-price determinants of demand will always lead to a shift of the demand curve

- Unit 3: Market eqilibrium, the price mechanism and market efficiency Equilibrium 均衡: a state of rest, self-perpet vation in the absence n. equilibrium of any disturbance · It some external element interrupt the equilibrium, then it is in v. equilibrate disequilibrium, this stage leasts until it is in a new equilibrium situation. In Figure 3.1, both the demand and supply curves for coffee are in the same diagram and we see that, at the price Pe, the quantity Qe is both demanded and supplied. We would say that the market is in equilibrium at the price Per since the amount of coffee that people wish to buy at that price, e, is equal to the amount of coffee that suppliers wish to sell at that price. The price Pe is sometimes known as the market-clearing price, since everything produced in the market will be sold. The market is in Quantity of coffee (kg) equilibrium, since it will stay like this, in each time period, until there is an "outside Figure 3.1 The market for coffee



disturbance" to change the equilibrium.

(non-price determinants)

an excess demand (Qet-Qz)

The effect of changes in demand and supply upon the equilibrium price When the demand curve shifts to the right (D, to D_2), the price remains at Re1, supply remains but the demand is raised, it will cause

Price mechanism · Price mechanism moves market to equilibrium, helps to allocate scarce resources · How does it work? O an increase in the price of a certain good J a signal to producer that what is in the consumer's preference higher price give producers an incentive, as they want to maximise their profit Thore been $^{ extstyle 3}$ produces would like to produce more of this sort of good. Consumer Surplus extra satisfaction (utility) gained by consumers from paying a price that is lower than that which they are prepared to pay. Eq: a movie ticket's price is \$7(p.), but a consumer was willing to pay \$10(p.) for it, the consumer enjoys a surplus of \$3 (P,-P2) Area: the area under demand curve and above the equilibrium price Producer Surplus The excess of actual earning that a producer makes from a given quantity of output Eq: A producer is willing to sell a bottle at \$3 (P,), but he conned \$7 (P,-P2) P. for each bottle in the actual price of \$10 CP. The producer surplus for each ticket is \$7. Area. Triangle that under the equilibrium price and above supply curve. — Allocative Efficacy "When the market is in equilibrium, it is said to be in a state of allocative ethiconcy At equilibrium point, the community surplus (producer surplus + consumer surplus) maximised When we assume that the costs of the industry are equal to the costs to society then the supply curve represents the social cost curve. In efficiency analysis we call this the marginal social cost curve (MSC). The demand curve is determined by the utility, or benefits, that the consumption of a good or service brings to the consumers. Again, if

> we assume that the benefits in the market are equivalent to the benefits to society, then the demand curve represents the social benefits. In efficiency analysis we refer to the

demand curve as the marginal social benefit curve (MSB).

Figure 3.7 Community surplus

	— Elasticities 碑性			
	·Elasticity is a	siveness (ability to response)		
	,			
	Elasticity of demand—How demand of a product is changed when there is a change in one of the 3 factors: O Price Elasticity of Demand (PED) Equation: PED = Percentage change in quantity demanded of the product Percentage change in price of a product			
	The negative valve means there's an inverse relationship between price and quantity domanded			
	The negative value shouldn't present. The range of values of PED: 0~ infinity (no negative number), these two extreme and theoretical price			
	Prite: U	D	cannot be real. The real values lies in between.	
Figure 4.1	P ₂	9	$S_{1}. ext{If PEP}$ is $ ext{D}$, the change in price will have no effect on the	
			quantity demanded (shown in figure 4.1)	
	Р,		It is called an perfectly inelastic (无神性) demand curve	
	Quantity			
	price		Sz: If the value of PE1) is infinity, the demand is perlectly	
Figure \$2			elustic.	
U	Ρ,	D	In F7-2, of the price P1, Quantity demand in infinite, therefore	
			the demand come goes straight forever.	
		Qvartity	But If the price raised above 1°, with any disturbe, the	
	quantity demanded will fall to zero			
	l J			
	The range of PED (real): ① Inclastic demand: The value of PED is less than one and greater than zero. Effect: A change in price leads to proportionally smaller change in the quantity demanded of it *指校变机低于需求量的变化 · When the price raised, as the demand changes less, the revenue gained by producer is increased. Eg: foods, medicine, water, electricity			
	l i	e of a carton of strawberry yoghurt is raised from \$1 to \$1.20, the firm finds		
	that quantity demanded per week falls from 12 000 cartons to 10 800 cartons. Thus a 20% increase in price is causing a 10% fall in the quantity demanded. We can work out the PED by			
	using the equa		,	
	PEI) = %	Δ in avoidably demanded = - $\%\Delta$ in price	$\frac{10\%}{20\%}$ = 0.5, smaller than 1, inelastic demand $\frac{10\%}{100\%}$ continue in $\frac{10\%}{20\%}$	

