Supply and Demand

ECO 120: Global Macroeconomics

- Specific Goals
 - Learn what demand is and what influences demand.
 - Learn what supply is and what influences supply.
 - Learn how prices and quantities are determined by supply and demand.
 - Use these skills to make predictions about changes in price and quantity.
- Learning Objectives
 - LO 2: Use the supply and demand model to predict price and quantity outcomes for markets for products and services.

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Demand: Module 4

Supply and Equilibrium: Module 5

Changes in Equilibrium: Module 6

Demand

- The quantity demanded of a good or service is the amount consumers are willing and able to buy in a given time period at a particular price.
- Law of demand: All other things remaining equal, the higher (lower) the price of the good, the smaller (higher) is the quantity demanded.
- Demand schedule/curve: a table or graph of different quantities demanded for different prices.
- According to the law of demand, the demand curve should be _____ sloping.
- Change in quantity demanded: when there is a change in price causing a movement from one point on the demand curve to another point.

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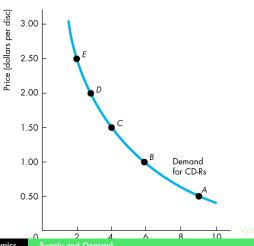
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Demand Schedule

Point	Price	Q_D
Α	0.5	9
В	1.0	6
C	1.5	4
D	2.0	3
Е	2.5	2

Demand Curve



- The demand curve is downward sloping because of the income and substitution effect.
- Substitution effect: when the price of a good rises, people may buy substitute goods instead.
- Income effect: When the price of a good rises, the real purchasing power of your income decreases. When the real value of your income decreases, you buy less of everything.
- Close to correct. More on the income effect later.

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- The quantity supplied of a good or service is the amount producers are willing and able to produce and sell in a given time period at a given price.
- Law of supply: All other things remaining the same, the higher (lower) is the price of a good, the higher (lower) is the quantity supplied.
- Supply schedule or curve: a table or graph of different quantities supplied for different prices.
- According to the law of supply, the demand curve should be _____ sloping.
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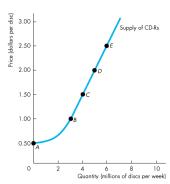
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Supply Schedule

Price	Q_D
0.5	0
1.0	3
1.5	4
2.0	5
2.5	6
	0.5 1.0 1.5 2.0

Supply Curve



- The equilibrium price is the price where the quantity supplied is equal to the quantity demanded.
- The equilibrium quantity is the corresponding quantity.
- This is the price and quantity that will prevail in an unregulated market.

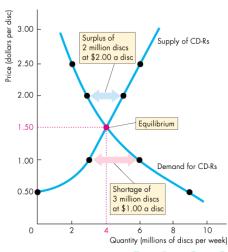
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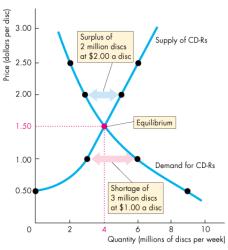
Equilibrium

- **Surplus**: away from equilibrium, when $Q_S > Q_D$
- Shortage: away from equilibrium when $Q_D > Q_S$.



Equilibrium

- **Surplus**: away from equilibrium, when $Q_S > Q_D$
- Shortage: away from equilibrium, when Q_D > Q_S.



- When something besides the price of the good effects demand, we say there is a change or shift in demand.
- Something that increases (decreases) demand shifts the demand curve to the right (left).
- Determinants of demand:
 - Changes in prices of related goods.
 - Changes in income.
 - Changes in expected future income.
 - Expectations of future price
 - Changes in population.
 - Changes in tastes and preferences.

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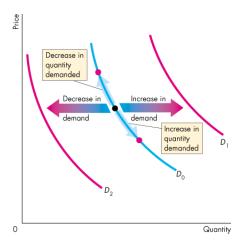


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- **Substitutes**: a substitute good is a good that can be consumed instead of another good.
 - Examples: beef and pork, wine and beer, hamburgers and hot dogs.
- If the price of a substitute for beer increases, this will _____ the demand for beer.
- **Complements**: a complement good is a good that is often consumed together with another good.
 - Examples: Peanut butter and jelly, hamburgers and buns.
- If the price of a complement for buns increases, this will
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- Normal good: a good whose demand increases when consumers' incomes increase.
- Inferior good: a good whose demand decreases when consumers' incomes increase.
- Can you think of examples of an inferior good?

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- If people expect the price of the good to increase, this will
 today's demand for the good.
- If a good is a normal good and people expect to have higher incomes in the future, this will _____ the demand for the good.
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- Determinants of supply:
 - Changes in the prices of factors of production
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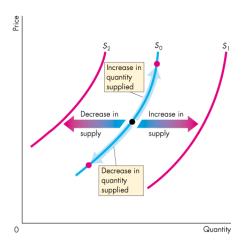


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Shifts in supply

16/17



- Supply and demand in class exerciese.
- Apply our knowledge of supply and demand to look at behavior of exchange rates, currencies, imports, and exports (Module 42).