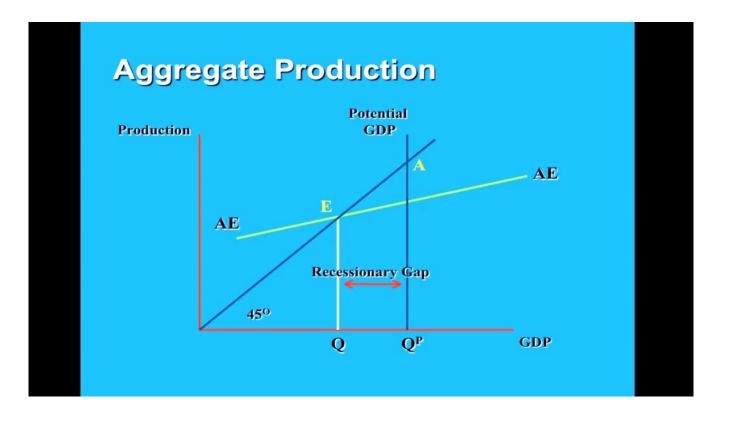


# **Aggregate Production**

- The total amount of goods and services produced in the economy.
- Production creates an equal amount of income so the aggregate production curve is a 45° line.

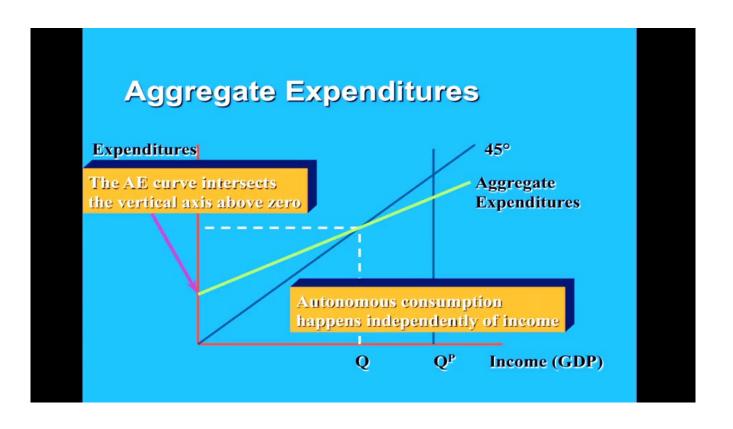


### **Aggregate Expenditures**

■ Total spending or "aggregate expenditures" may be represented algebraically by the equation:

$$AE = C + I + G + (X - M)$$
  $\longrightarrow$   $X = Exports$   $M = Imports$ 

The aggregate expenditures curve is simply the vertical summation of these four components.



# The Keynesian Expenditure Function

- To understand the Keynesian model, we have to understand:
  - Autonomous consumption
  - Why the AE curve is flatter than the AP curve
- Components of the Keynesian Expenditure Function
  - Consumption, investment, government expenditures, and net exports.

#### Consumption

- Consumption is the largest component of aggregate expenditures.
- Consumption accounts for almost 70% of total aggregate expenditures in the U.S.



Category of	Value of Category (\$, billion)		Percent of total	
consumption				
Durable goods	_	538	12	
Motor vehicles	222			
Household equipment	212			
Other	104			
Nondurable goods		1,350	31	
Food	658			
Clothing and apparel	237			
Energy	119			
Other	336			
Services		2,504	57	
Housing	628			
Household operation	251			
Transportation	170			
Medical care	681			
Other	773			
Total, personal				
consumption expenditures		4,392	100	100

# The Keynesian Consumption Function

**Total Consumption =** 

Autonomous Consumption Plus Induced Consumption

# **Autonomous Consumption**

- Autonomous consumption is that which occurs even if a person loses his or her job.
- Unemployed people dip into their savings to consume.

AUTONOMOUS CONSUMPTION The level of consumption that occurs regardless of changes in one's income



# **Induced Consumption**

"Induced consumption" depends on an individual's disposable income.

#### DISPOSABLE INCOME

The amount of money left after paying taxes to the government

### **Marginal Propensity To Consume (MPC)**

Keynes described this behavior in terms of a person's "marginal propensity to consume."

The "MPC" is the extra amount people consume when they receive an extra dollar of disposable income.

# Marginal Propensity To Save (MPS)

The MPS measures the extra amount people save when they receive an extra dollar of disposable income.

MPS = 1 - MPC

### **An MPC and MPS Example**

- Suppose people spend 75 cents of every dollar of their disposable income and save 25 cents.
- What is the MPC?
- What is the MPS?

### **Another MPC and MPS Example**

■ The MPC is .75 and the MPS is .25

Now suppose people spend 90 cents and save only 10 cents of every dollar? What's the MPC and MPS??

■ The MPC is .90 and the MPS .10

