

















	Money supply measures, May 2007				
	symbol	assets included	amount (\$ billions)		
	С	Currency	\$755		
	M1	C + demand deposits, travelers' checks, other checkable deposits	\$1377		
	M2	M1 + small time deposits, savings deposits, money market mutual funds, money market deposit accounts	\$7227		
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CHAPTER 4 Money and Inflation

Answers:
V is constant, *M* grows 5% per year,
Y grows 2% per year, *r* = 4.
a. First, find π = 5 - 2 = 3. Then, find *i* = *r* + π = 4 + 3 = 7.
b. Δ*i* = 2, same as the increase in the money growth rate.
c. If the Fed does nothing, Δπ = 1. To prevent inflation from rising, Fed must reduce the money growth rate by

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1 percentage point per year.

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What determines what						
		$\frac{\boldsymbol{M}}{\boldsymbol{P}} = \boldsymbol{L}(\boldsymbol{r} + \pi^{\boldsymbol{e}}, \boldsymbol{Y})$				
	variable	how determined (in the long run)				
	М	exogenous (the Fed)				
	r	adjusts to make <i>S</i> = <i>I</i>				
	Y	$\overline{\boldsymbol{Y}} = \boldsymbol{F}(\overline{\boldsymbol{K}},\overline{\boldsymbol{L}})$				
	Р	adjusts to make $\frac{M}{R} = L(i, Y)$				
		r				
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In the real world, money is approximately neutral in the long run. CHAPTER 4 Money and Inflation slide 61



Money

- the stock of assets used for transactions
- serves as a medium of exchange, store of value, and unit of account.
- Central bank controls the money supply.

Quantity theory of money assumes velocity is stable, concludes that the money growth rate determines the inflation rate.

CHAPTER 4 Money and Inflation



Nominal interest rate

- equals real interest rate + inflation rate
- the opp. cost of holding money
- Fisher effect: Nominal interest rate moves one-for-one w/ expected inflation.

Money demand

- depends only on income in the Quantity Theory
- also depends on the nominal interest rate
- if so, then changes in expected inflation affect the current price level.

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Chapter Summary

Classical dichotomy

- In classical theory, money is neutral--does not affect real variables.
- So, we can study how real variables are determined w/o reference to nominal ones.
- Then, money market eq'm determines price level and all nominal variables.
- Most economists believe the economy works this way in the long run.

