

Micro vs. Macro

- **Microeconomics:**
The study of how individual households and firms make decisions, interact with one another in markets.
- **Macroeconomics:**
The study of the economy as a whole.

1

Money



Money

- Do we **need** money?

- _____

- _____

3

What Money Is, and Why It's Important

- **Money**
 - an "_____ " that people use to buy g&s from other people
 - reduces _____ (waste of resources!)

4

What Money Does...Functions

- _____: an item buyers give to sellers when they want to _____
- _____: the _____ people use to post prices and record debts
- _____: an item people can use to transfer _____ from the present to the future
- _____: an item used not only as a medium of exchange today, but also to purchase today and pay for _____.

5

Kinds of Money

"money" is a commodity with intrinsic value (e.g. gold)

"money" that represents a commodity (e.g. US\$ from WWII to 1973)

"money" without _____ value, used as money because of govt decree (e.g. the current US\$)

6

The Money Supply

- The **money supply** (or **money stock**): the _____
- What should be considered part of the money supply?
 - 1) _____: paper bills & coins in circulation
 - 2) _____ checkable deposits)
 - 3) _____

7

Measures of the U.S. Money Supply

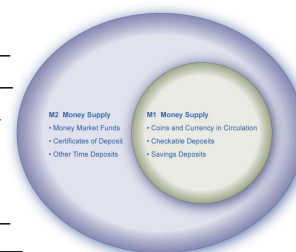
- **M1**: _____

M1 = _____

- **M2**: _____ plus _____

M2 = _____

(federalreserve.gov)

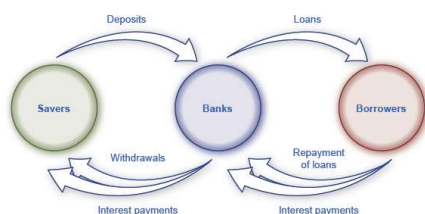


Liquidity

8

The Banking System

- Banks as _____



- Banks _____

9

How Banks Create Money

- In a _____, banks keep a fraction of deposits as _____, and use the rest to make loans.
- Based on the _____
- Reserves are typically in the form of _____ and _____.

10

Bank T-account

- **T-account**: a _____ that shows a bank's assets & liabilities.

BANK	
Assets	Liabilities
What the bank _____:	What the bank _____:
reserves, loans,	deposits
...	

11

A More Realistic Balance Sheet

- _____: the resources a bank obtains by issuing equity to its owners
 - Also: bank's assets minus liabilities
- _____: the use of _____ to supplement existing funds for investment purposes

12

A More Realistic Balance Sheet

MORE REALISTIC NATIONAL BANK			
Assets		Liabilities	
Reserves	\$ 200	Deposits	\$ 800
Loans	\$ 700	Debt	\$ 150
Securities	\$ 100	Capital	\$ 50

_____ = the ratio of assets to bank capital

Interpretation: for every \$ _____ in assets,
 \$ _____ is from the bank's owners,
 \$ _____ is financed with borrowed money.

13

A More Realistic Balance Sheet

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Reserves	\$ 200	Deposits	\$ 800
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* Suppose bank assets _____ by 5%, from \$1000 to \$1050.

This increases bank capital from \$50 to \$100, _____ owners' equity.

14

A More Realistic Balance Sheet

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Assets		Liabilities	
Reserves	\$ 200	Deposits	\$ 800
Loans	\$ 700	Debt	\$ 150
Securities	\$ 100	Capital	\$ 50

* Suppose a bank's assets decrease by 5%, bank capital falls _____.

If bank assets decrease more than 5%, bank capital is _____ and bank is _____.

15

Leverage & the 08-09 Financial Crisis

- Banks suffered losses on mortgage loans and mortgage-backed securities due to widespread defaults.
- Many banks became insolvent:
 U.S. bank failures: 27 in 2000–2007
 166 in 2008–2009
- _____ - banks with too little _____, reduce lending
- Fed & Treasury injected \$

16

Leverage Amplifies Profits and Losses

- _____:
 - a govt regulation that specifies a minimum amount of capital,
 - intended to ensure banks will be able to pay off depositors and debts;
 - a _____.

17