202 Week 5

THE CLASSICAL MODEL & THE
GREAT DEPRESSION

## THE CLASSICAL MODEL

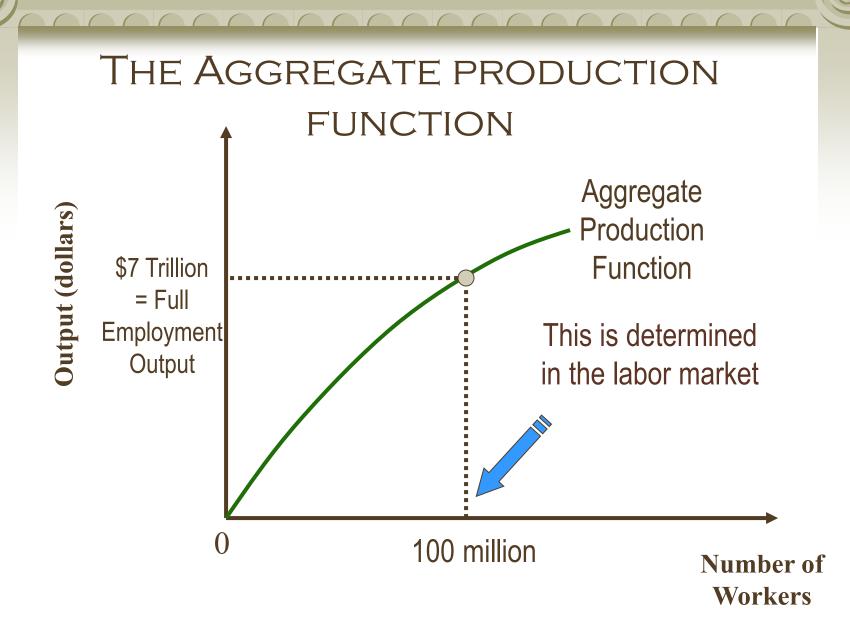
## Explaining the Depression

- According to Classical economists, the Depression was caused by a problem in the labor market.
- To understand this explanation need to understand link between the labor market and aggregate output (GDP).

## EXPLAINING THE DEPRESSION

#### **The Aggregate Production Function**

- Shows the relationship between total output (or real GDP) and employment, holding all other factors constant
- Factors held constant include:
  - Land,
  - capital
  - technology



#### THE CLASSICAL LABOR MARKET

Labor supply:

work-leisure trade-off.

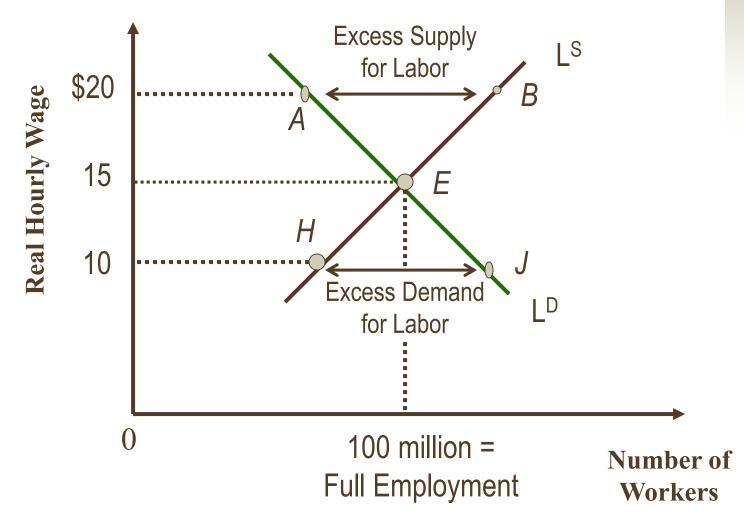
As the real wage increases, the opportunity cost of leisure rises as well. Hence, people substitute work for leisure.

Labor demand:

Profit maximization

Firms hire workers as long as value of marginal product is equal to or greater than wage.

#### THE CLASSICAL LABOR MARKET

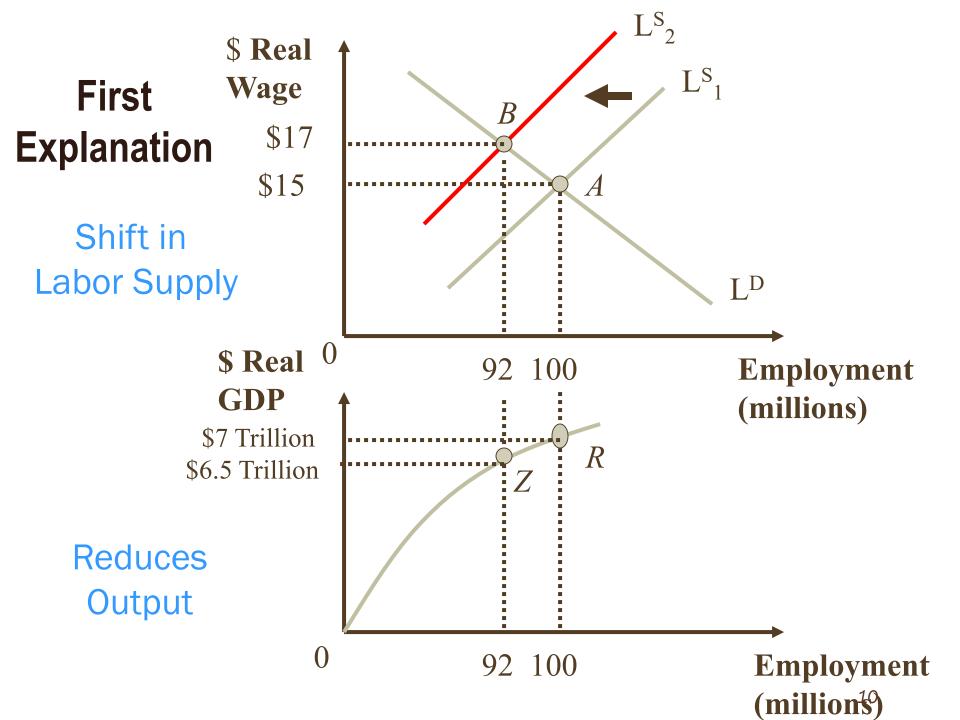


#### THE CLASSICAL LABOR MARKET

 According to the Classical view, the economy will achieve full employment *naturally*—--i.e., on its own.

## EXPLAINING THE DEPRESSION

- Why did output fall?
- In classical model, there were only 3 possible reasons.
  - 1. Shift in Supply of labor?
  - 2. Shift in Demand for labor?
  - 3. Disequilibrium situation.



# Shifts in Labor Market

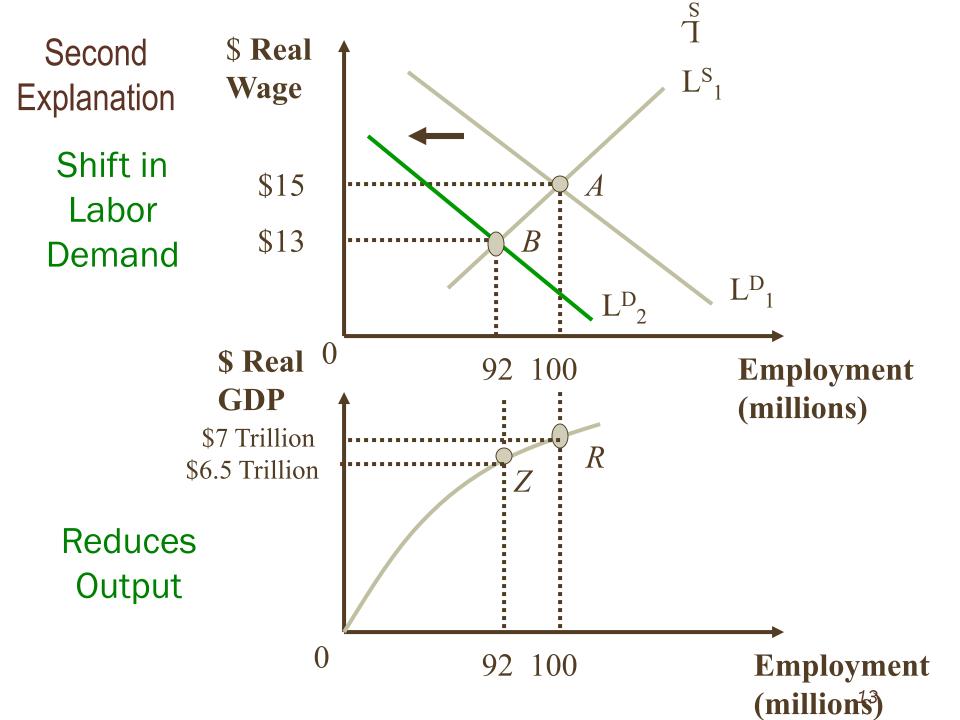
### • First Explanation:

- Fluctuations of real GDP be explained by a shift in the supply of labor.
- Makes sense according to Classical theory.
- But, no indication of an actual reduction in the supply of labor.
- First explanation not widely accepted.

# **Shifts in Labor Market**

### Second Explanation:

• A recession can also occur if there is a shift in labor demand.



# **Shifts in Labor Market**

#### Second Explanation:

- A recession can also occur if there is a shift in labor demand.
- Can occur if business investment declines,

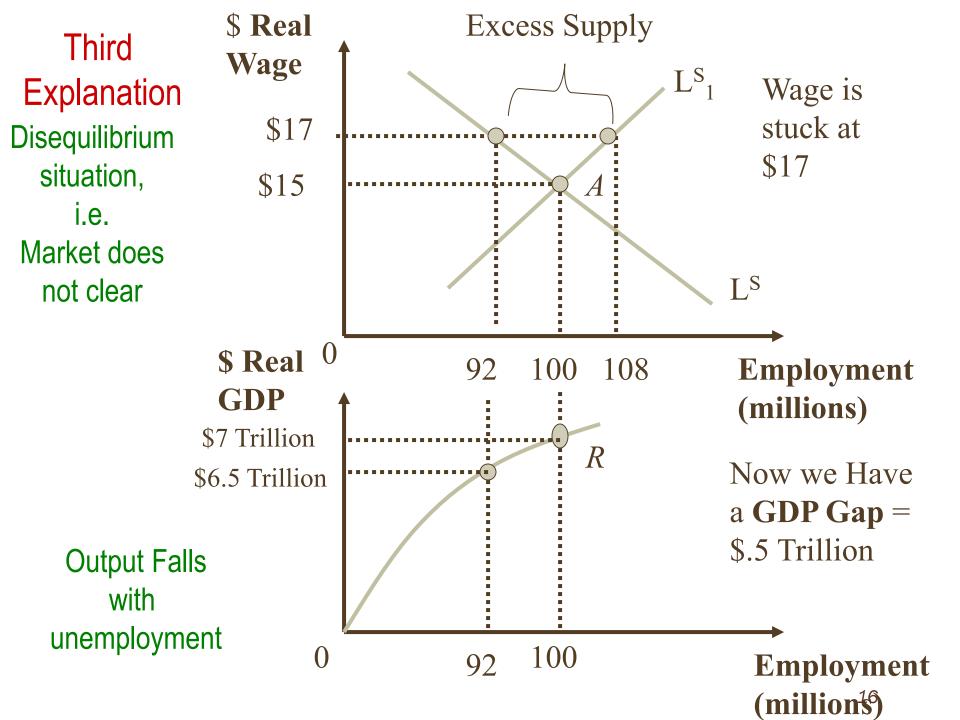
Change in expectations

• More widely accepted view.

# THE CLASSICAL MODEL

#### Third Explanation

- The Depression was caused by a *disequilibrium* phenomenon.
- The wage was held <u>above</u> equilibrium by "frictions" in the labor market.
- If these obstacles could be removed, then markets would clear.



# Why would the labor market fail to clear?

- Labor markets governed by:
  - customary wages,
  - Contracts.



- Government regulations
- may set minimum wages, rules limiting hiring and firing, mandating benefits. (*Not in the Great Depression, however*).