

Objectives

After studying this chapter, you will able to

- Describe the goals of macroeconomic policy
- Describe the main features of fiscal policy and monetary policy since 1971
- Explain how fiscal policy and monetary policy influence long-term economic growth
- Distinguish between and evaluate fixed-rule and feedback-rule policies to stabilize the business cycle
- Evaluate fixed-rule and feedback-rule policies to contain inflation and explain why lowering inflation usually brings recession

What Can Policy Do?

From 1995 through 2000, the Canadian economy performed well, but slowed in 2000, and in 2001 the unemployment started to increase

All major industrial countries had slowing economies in 2001; leaders began to speak of stimulus packages, but not everybody agreed any stimulus was needed

What can and should policy makers do to achieve desirable macroeconomic performance?

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Policy Goals

- The domestic goals of macroeconomic policy are to
- Achieve the highest sustainable rate of growth of potential GDP.
 - Smooth out avoidable business cycle fluctuations.
 - Maintain low unemployment.
 - Maintain low inflation.

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Policy Goals

Potential GDP Growth

Rapid sustained real GDP growth can make a profound contribution to economic well being.

Between 1988 and 2001, potential GDP grew by 2.7 percent a year, the population grew by 1.1 percent a year,

and potential GDP per person grew by 1.6 percent a year. At this growth rate, output per person doubles every 45 years

Growth at 5 percent a year doubles output in 18 years.

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Policy Goals

The Business Cycle

Deviations of output from potential GDP are costly.

The extent of these fluctuations is unknown because some fluctuations in real GDP occur because potential GDP fluctuates.

But eliminating deviations of output from potential GDP is desirable.

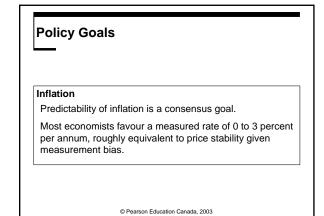
Policy Goals

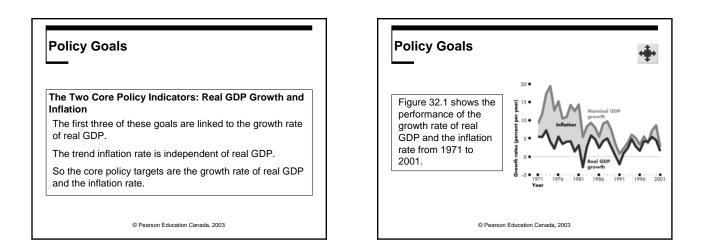
Unemployment

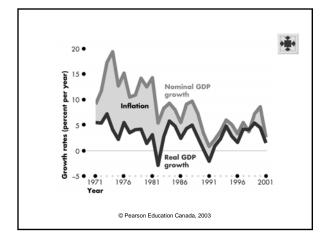
High unemployment is wasteful and costly; low unemployment causes bottlenecks and inefficiencies.

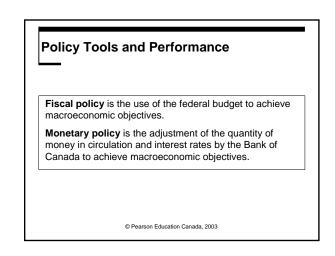
Keeping unemployment at the natural rate is desirable; but its level is not known with certainty.

Lowering the natural rate if it is high is also a policy goal.









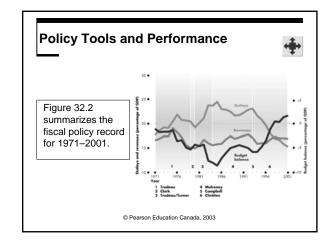


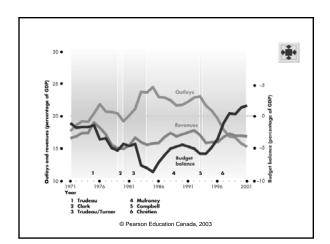
Fiscal Policy since 1971

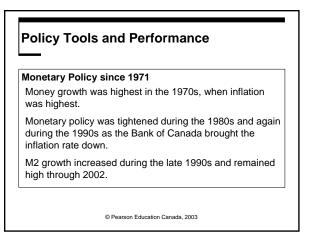
When Pierre Trudeau was prime minister, fiscal policy was expansionary

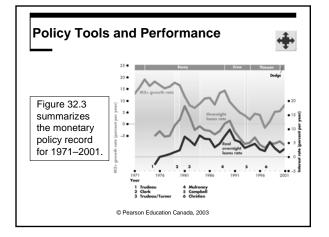
When Brian Mulroney was prime minister, fiscal policy was contractionary

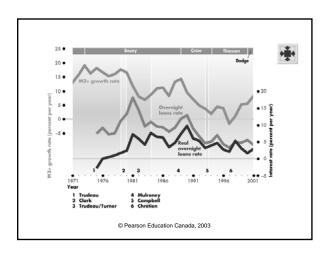
When Jean Chrétien became prime minister, fiscal policy remained contractionary

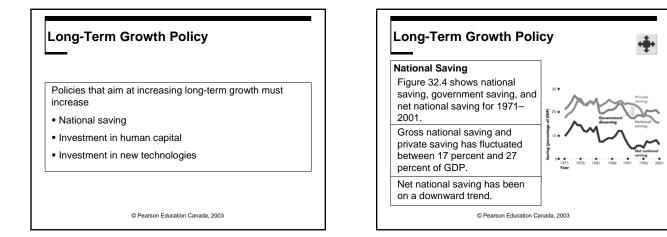


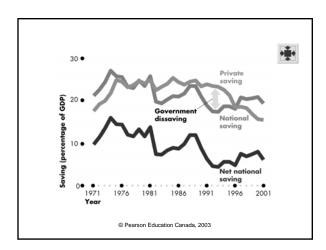


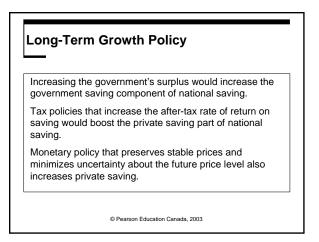












Long-Term Growth Policy

Investment in Human Capital

Human capital can be obtained through formal schooling and through on-the-job experience.

Improving the quality of schooling and enlarging access to advanced training are policies the government can undertake to spur the formation of human capital.

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Long-Term Growth Policy

Investment in New Technologies

Investment in new technologies benefits the nation because new technologies are not subject to diminishing returns and because they can spill over to benefit all sectors of the economy.

The government's research and experiment tax credit reduces the taxes of firms that conduct research and development and helps generate new technologies.

Stabilization policies fall into three broad categories:

- Fixed-rule policies
- Feedback-rule policies
- Discretionary policies

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Business Cycle and Unemployment Policy

Fixed-Rule Policies

A fixed-rule policy specifies an action to be pursued independently of the state of the economy.

Milton Friedman proposed a fixed rule that sets the monetary growth rate at a level to achieve zero average inflation.

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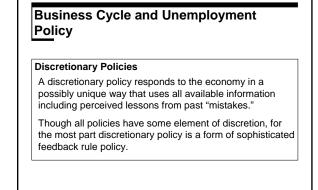
Business Cycle and Unemployment Policy

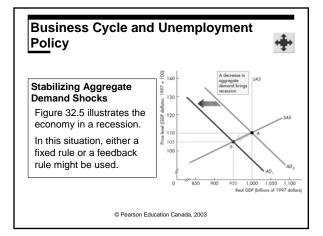
Feedback-Rule Policies

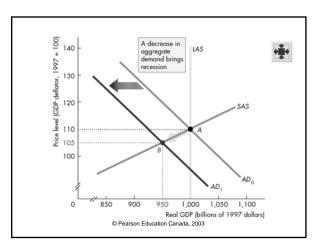
A feedback-rule policy specifies how policy actions respond to changes in the state of the economy.

The Bank of Canada's policy of raising the interest rate in response to a falling unemployment rate and lowering the interest rate in response to a rising unemployment rate is an example of a feedback-rule policy.

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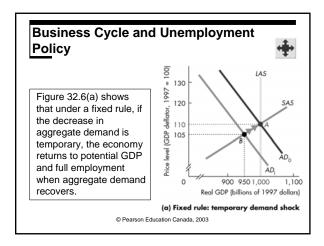


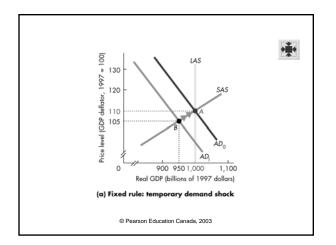
Fixed-Rule: Monetarism

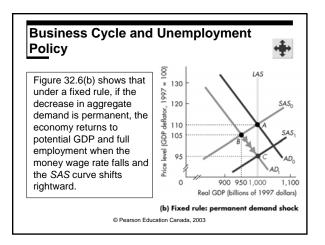
A **monetarist** is an economist who believes that fluctuations in the quantity of money are the main source of economic fluctuations.

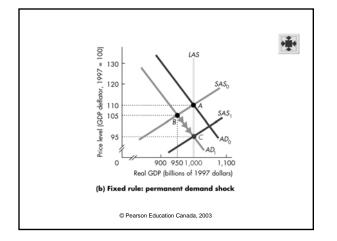
A monetarist advocates a fixed rule in which neither fiscal policy nor monetary policy respond to the depressed state of the economy.

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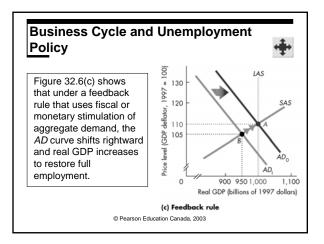


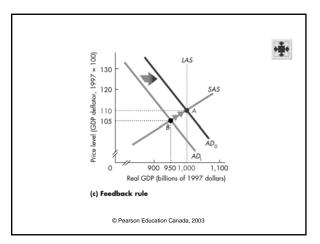


Business Cycle and Unemployment Policy

Feedback Rule: Keynesian Activism

A **Keynesian activist** is an economist who believes that fluctuations in aggregate demand combined with sticky wages (and/or sticky prices) are the main source of economic fluctuations.





The Two Rules Compared

Under a fixed rule, the economy goes into recession and remains there for as long as it takes the economy under its own steam to return to full employment.

Under a feedback rule, the policy action pulls the economy out of recession.

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Business Cycle and Unemployment Policy So Feedback Rules are Better? Despite the apparent superiority of feedback rules many economists say that fixed rules do a better job of

economists say that fixed rules do a better job of stabilizing aggregate demand because

- Potential GDP is not known
- Policy lags are longer than the forecast horizon
- Feedback rule policies are less predictable than fixed rule policies

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Business Cycle and Unemployment Policy

Knowledge of Potential GDP

Proper use of feedback rules requires that policymakers know whether policy should be expansionary or contractionary.

But that requires knowledge of what is the potential level of real GDP, which no one knows with certainty.

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Business Cycle and Unemployment Policy

Policy Lags and the Forecast Horizon

The effects of policy actions operate with lags.

These lags may be longer than policymakers can forecast so that actions taken in response to actual or forecasted events may have their maximum effects only when the economy faces new problems.

Predictability of Policies

Fixed rules are more predictable; feedback rules inflict more uncertainty on the economy.

When determining interest rates and wage contracts, people need to forecast future inflation rates.

They can do so more easily and accurately when policies are predictable.

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Business Cycle and Unemployment Policy

Stabilizing Aggregate Supply Shocks

Real business cycle economists suggest another reason for the failure of feedback rules: Fluctuations in GDP are caused by fluctuations in productivity growth, that is, by shifts in the aggregate supply curve.

According to this view, the short-run and long-run aggregate supply curves are identical.

A slowdown in productivity growth shifts the aggregate supply curve leftward.

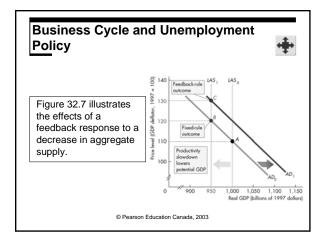
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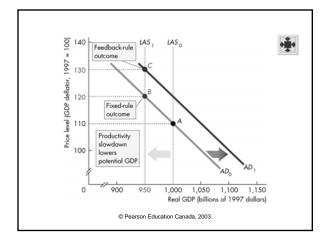
Business Cycle and Unemployment Policy

With a fixed rule, a decrease in *LAS* has no effect on policy, so *AD* does not change, and the result of the decrease in *LAS* is a fall in real GDP and an increase in the price level.

Because the aggregate supply curve is vertical, changes in aggregate demand do not change the level of GDP, so policy changes in aggregate demand have no useful effect on real GDP.

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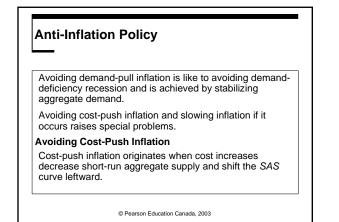


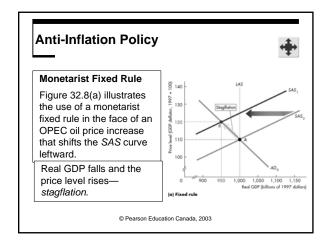
Business Cycle and Unemployment Policy

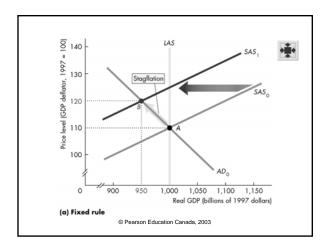
Natural Rate Policies

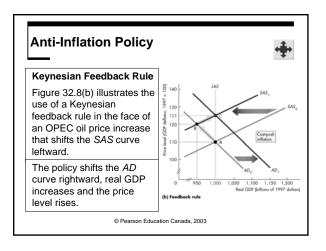
There is no costless way to lower the natural unemployment rate.

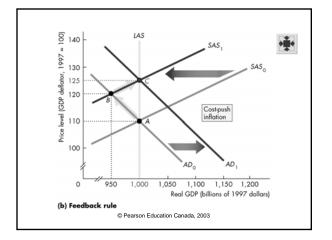
- Two possibilities (both costly and involving tradeoffs) are
- Decrease unemployment compensation
- Lower the minimum real wage rate

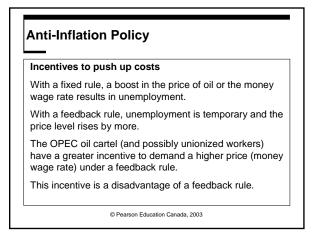














Policy might attempt to slow inflation either with

- A surprise inflation reduction
- A credible announced inflation reduction
- A surprise inflation reduction brings recession.

A credible announced inflation reduction occurs at full employment.

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