

CHAPTER 19

INTRODUCTION TO MACROECONOMICS

Principles of Economics in Context (Goodwin et al.)

Chapter Overview

This chapter presents standard macroeconomic topics such as the macroeconomic goals of growth and stability, and a basic “roadmap” of the most significant events and theories of the last century. We note that the behavior of prices in real-world markets may differ from the stable equilibrium logic of basic supply and demand analysis. Prices that are sticky or slow to adjust, or prices that are unstable and subject to speculation, can create unexpected macroeconomic consequences. We define the well-being goals of macroeconomics as (1) living standards growth, (2) stability and security, and (3) financial, social, and ecological sustainability. The chapter also discusses differing macroeconomic perspectives, and concludes with a brief discussion of twenty-first century macro issues including poverty reduction and environmental constraints (to be dealt with later in detail in Chapters 32 and 33).

Chapter Objectives

After reading and reviewing this chapter, you should be able to:

1. Distinguish the concerns of macroeconomics from microeconomics.
2. Recognize potential consequences of slow or rapid price changes.
3. Identify and describe the three main macroeconomic goals.
4. Recognize new perspectives implied by the goal of sustainability.
5. Identify and distinguish the major historical traditions of economic thought.

Key Terms

macroeconomics
recession
unemployment
inflation
macroeconomy
global economy
economic actor (agent)
quantity adjustment
menu costs
speculation
speculative bubble
subprime mortgage
assets

good living standards,
stability and security, and
environmental sustainability
living standards growth
economic growth
economic development
labor productivity
business (trade) cycle
restorative development
precautionary principle
classical economics
division of labor
specialization

laissez-faire economy
Say's Law
aggregate demand
Keynesian economics
fiscal policy
monetarist economics
monetary policy

Active Review

Fill in the Blank

1. While the study of economic activities of individuals, households, and businesses at the sub-national level is the concern of _____, the study of economic activities at the national and global level is the concern of _____.
2. When producers change their level of output, rather than price, in response to higher or lower sales, this is called _____.
3. The three main macroeconomic goals identified in this chapter are _____, _____, and _____.
4. The increase in the level of production in a country or region is called _____ growth while improvements in diet, housing, medical attention, education, working conditions, access to care, transportation, communication, entertainment, etc. is called _____ growth.
5. The process of moving from a situation of poverty and deprivation to a situation of increased production and plenty is referred to as _____.
6. The fluctuations in the level of production, including recessions on the one hand and booms on the other hand, is called _____.
7. The goal that recognizes a serious responsibility to future generations is the goal of _____.
8. The school of economics that is associated with the idea that individual self-interest is a positive force and that governments should let markets function without interference is called _____.
9. The economist who argued that the market mechanism can fail by leaving insufficient demand and that governments could intervene by increasing aggregate demand was named _____.
10. The school of thought that argued that governments should aim for steadiness in the money supply rather than play an active role is called _____.

True or False

11. Economic phenomena such as the rate of unemployment and inflation are studied in microeconomics.
12. Living standards growth is defined as increases in the level of production in a country or region.
13. During a recession, the economy often has higher rates of unemployment, whereas during a boom, the economy often has higher rates of inflation.
14. Monetarists believe the government should use monetary policy to boost aggregate demand during a recession.
15. According to the classical/Keynesian synthesis, in the short run we are in the Keynesian world, and in the long run we are in the classical world.

Short Answer

16. What types of questions would concern macroeconomics, as opposed to microeconomics?
17. How have economists traditionally defined “economic growth,” and how is that different from “living standards growth”?
18. What three basic economic questions are important for the analysis of economic development?
19. Once countries already have a high level of production, how might they achieve living standards growth?
20. Why is the goal of stability and security important to many people? What problems typically emerge during periods of instability?
21. The goal of sustainability requires that we address what three questions?
22. Explain the how the classical school views the role of markets and government intervention in fighting business cycles.

23. Explain how Keynesian economics views the role of markets and government intervention in fighting business cycles.
24. Explain how Monetarist economics views the role of markets and government intervention in fighting business cycles.
25. How does the classical/Keynesian synthesis combine elements from both the classical and Keynesian schools?
26. What two developments are demanding new ways of looking at the economic world in the 21st century? What kinds of sustainability questions do they raise?

Self Test

1. With what kinds of topics does macroeconomics concern itself?
 - a. Economic activities of individual firms, households, and other organizations
 - b. Forces of supply and demand in a particular market
 - c. Consumer behavior and firms output decisions
 - d. The labor market, wages, and hiring decisions
 - e. Aggregate economic phenomena like the rate of unemployment and inflation

2. Which of the following is an example of a normative question?
 - a. What is the nation's rate of economic growth?
 - b. What is the nation's rate of inflation?
 - c. What is the nation's rate of unemployment?
 - d. What is the nation's level of GDP?
 - e. Is the goal of sustainability of greater importance than the goal of economic growth as we move into the 21st century?

3. Which of the following is one of the three macroeconomic goals discussed in the text?
 - a. Growth in the size of corporations
 - b. Living standards growth
 - c. Growth in trade and globalization
 - d. Technological innovation
 - e. None of the above

4. Which of the following is *not* an example of one of the three macroeconomic goals discussed in the text?
- Preventing the economy from experiencing too much unemployment.
 - Preventing the economy from experiencing too much inflation.
 - Keeping living standards high enough for people to live decent, meaningful lives.
 - Making sure the economy is sustainable into the future.
 - Providing the best environment for corporations.
5. What explains the fact that the value of global production grew by a factor of 5.7 between 1960 and 2010, while the value of global production per capita has grown by a factor of 2.5?
- Global population also grew, though not as fast as total production.
 - The increase in global production has occurred simultaneously with a decline in global population.
 - The increase in global production has occurred simultaneously with growth in the global workforce.
 - The increase in global production has occurred simultaneously with decline in the global workforce.
 - The growth in the global population has been greater than the growth in global production.
6. How is labor productivity defined?
- The level of output produced per capita.
 - The level of output produced per worker (or worker-hour).
 - The level of output produced as a share of GDP.
 - The level of human capital in the workforce.
 - The level of output produced per capital input.
7. What problems are we most likely to see at which stage of the business cycle?
- High inflation during recessions.
 - High unemployment during booms.
 - Low inflation during booms.
 - High unemployment during recessions.
 - Both high unemployment and high inflation during booms.

8. Why is the instability of the business cycle a problem?
- During recessions there is high unemployment, and resources are underutilized.
 - High unemployment is associated with individual and social stress, such as suicide, domestic violence, illness and crime.
 - During booms, high inflation can erode purchasing power, savings and pensions.
 - Unpredictable fluctuations in rates of inflation, interest rates, and foreign exchange rates make it difficult for individuals and organizations to plan for the future.
 - All of the above.
9. Which of the following does *not* describe the economic events of the Great Depression?
- Stock markets plummeted in the 1929 stock market crash.
 - A lack of confidence in banks led to runs on the banks and bank failures.
 - Production dropped by about 30% between 1929 and 1933.
 - The unemployment rate peaked to 25% at the height of the depression.
 - The economic crises was short lived and markets quickly adjusted back to equilibrium.
10. Which of the following are the three dimensions of sustainability as discussed in the text?
- Ecological, financial, and social sustainability
 - Ecological, financial, and political sustainability
 - Ecological, financial, and cultural sustainability
 - Ecological, technological, and human sustainability
 - Ecological, technological, and social sustainability
11. Which of the following is *not* an issue concerning social sustainability?
- The disparities between the “haves” and the “have-nots.”
 - The ability of the next generation to contribute to a healthy economy and society
 - The need for steady growth in production
 - The creation of social disruption and political strife
 - The ability of the next generation to experience social and political participation and inclusion.

12. Which of the following best describes the precautionary principle?
- Clear cause and effect relationships must be established before taking action.
 - We should err on the side of caution when dealing with natural systems or human health.
 - The benefits of economic production and growth outweigh the risks of damage to natural systems or human health.
 - Business should not have to prove a product to be safe before being released on the market; rather a product must be proven unsafe before it is banned and pulled from the market.
 - We should take precautions before engaging in risky business investment.
13. Which of the following is *not* one of the ideas associated with the school of classical economics?
- Specialization and the division of labor
 - Laissez-faire and the functioning of markets free of government intervention
 - The pursuit of individual self-interest leads to positive economic outcomes.
 - Supply creates its own demand
 - Markets sometimes fail, necessitating government intervention.
14. Which of the following is *not* one of the ideas of Keynesian economics?
- An economy can experience insufficient demand
 - Governments can step in to help boost aggregate demand
 - Active use of fiscal policy can help keep employment rates up.
 - Governments should focus on keeping the money supply steady
 - Lowering interest rates alone may be insufficient if investors lack the confidence to engage in spending.
15. Which of the following best distinguishes fiscal from monetary policy?
- Monetary policy deals with the manipulation of government spending and taxation.
 - Fiscal policy deals with the manipulation of interest rates and the money supply.
 - Fiscal policy deals with the manipulation of levels of government spending and taxation.
 - Monetary policy deals with both the manipulation of government spending and taxation, and interest rates and the money supply.
 - Fiscal policy deals with both the manipulation of government spending and taxation, and interest rates and the money supply.

16. Which of the following was one of Keynes's suggested solutions, *and was not* generally adopted in the U.S. in the post-war era?
- The use of fiscal policy to stabilize the business cycle.
 - The use of monetary policy to stabilize the business cycle.
 - The involvement of government in controlling of the level and direction of national investment.
 - The role of government in purchasing goods and services to stimulate aggregate demand.
 - The role of government in manipulating taxation to stimulate aggregate demand.
17. Which of the following is *not* one of the ideas associated with monetarist economics?
- Bad government monetary policies are the cause of economic crises
 - It was easy credit, low interest rates and high levels of money supply that led to the overspending of the late 1920s.
 - The Great Depression of the 1930s was caused primarily by tight money policies.
 - Governments should not use active monetary policy, but should keep the money supply stable.
 - There are times when the government should take an active role by intervening with fiscal policy.
18. Which of the following best describes the classical/Keynesian synthesis?
- In the short run we are in the classical world, but in the long run we are in the Keynesian world.
 - In the short run we are in the Keynesian world, but in the long run we are in the classical world.
 - We are always in the short run which is characterized by the Keynesian view.
 - We are always in the long run, which is characterized by the classical view.
 - The classical and Keynesian schools both share the same basic view of economic agents engaging in rational, optimizing behavior.
19. According to the text, which of the following issues, not previously a major concern of macroeconomics, must macroeconomics confront in the 21st century?
- The ecological sustainability of our reliance on fossil-fuel based economic growth
 - The social sustainability of the traditional model of economic development with the persistence of global poverty.
 - The problem of business cycle fluctuations in unemployment and inflation.
 - (a) and (b) only
 - None of the above.

20. Which of the following characterizes the environmental challenges of the 21st century?
- The impressive growth of global GDP in the 20th century was accompanied by a dramatic increase in CO₂ emissions.
 - There are limits to the capacity of the environment to absorb the by-products of economic growth.
 - It is becoming more difficult for technological advancements to keep problems of resource depletion and pollution at bay.
 - If continued at the current rate, the emissions of CO₂ and other greenhouse gases may lead to dramatic disturbances to our environment and economy.
 - all of the above.

Answers to Active Review Questions

- microeconomics, macroeconomics
- quantity adjustment
- living standards growth, stability and security, sustainability
- economic, living standards
- economic development
- the business cycle
- sustainability
- classical economics
- John Maynard Keynes
- monetarist economics
- False. They are studied in Macroeconomics.
- False. Economic growth, not living standards growth, is defined as increases in the level of production in a country or region.
- True.
- False. Monetarists argued that governments should focus on keeping the money supply steady, even in a recession when unemployment was high.
- True.
- Macroeconomics deals with aggregate production and expenditure, the level of unemployment, inflation, and interactions with the global economy, while microeconomics concerns itself with decision-making of individual consumers, firms and other organizations.
- Economists have traditionally defined economic growth in terms of production of goods and services, whereas the concept of “living standards growth” encompasses the improvement in the quality of diet and housing, transportation and communication, health care, education, working conditions, entertainment, and even political freedom and social inclusion.

18. The three basic questions are: what is produced, how is it produced, and for whom is it produced.
19. Once countries achieve a high level of production, they may achieve living standards growth by improving cultural, educational and environmental conditions, raising the quality of work-life, and promoting more equity.
20. The instability over the business cycle can be accompanied by high rates of unemployment, which is associated with falling incomes and social stress, like suicide, domestic violence, illness and crime. Alternatively the instability may result in inflation, which can erode the purchasing power of income, or wipe out the value of savings and pensions.
21. The goal of sustainability requires that we address whether economic activities are financially sustainable, whether they are socially sustainable, and whether they are ecologically sustainable.
22. The classical school believes in the smooth functioning of market mechanisms, and that they work best when left alone. They generally do not think governments should intervene, and think that often government intervention makes things worse.
23. Keynesian economics believes markets often fail and governments have a role to intervene, especially in boosting aggregate demand during downturns.
24. Monetarist economics believes that the government should pursue a steady money supply and not use active monetary policy interventions over the course of the business cycle.
25. The classical/Keynesian synthesis believes that in the short run we are in the Keynesian world (where markets fail to adjust and prices remain sticky), but in the long run we are in the classical world in which markets adjust and prices are flexible.
26. Two developments that are demanding new ways of looking at the economic world in the 21st century are 1) the environmental impact of long-term fossil-fuel based economic growth, particularly with the dramatic rise in CO₂ emissions; and 2) the persistence of substantial global poverty and its threat to social sustainability.

Answers to Self Test Questions

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| 1. e | 11. c |
| 2. e | 12. b |
| 3. b | 13. e |
| 4. e | 14. d |
| 5. a | 15. c |
| 6. b | 16. c |
| 7. d | 17. e |
| 8. e | 18. b |
| 9. e | 19. d |
| 10. a | 20. e |