

Tick one box per statement: ☐ not yet ☐ nearly ☐ confident. / /

1. Thinking Geographically

1.1 Introduction to Maps

- ☐☐☐ Identify types of maps, the types of information presented in maps, and different kinds of spatial patterns and relationships portrayed in maps.

1.2 Geographic Data

- ☐☐☐ Identify different methods of geographic data collection.

1.3 The Power of Geographic Data

- ☐☐☐ Explain the geographical effects of decisions made using geographical information.

1.4 Spatial Concepts

- ☐☐☐ Define major geographic concepts that illustrate spatial relationships.

1.5 Human-Environmental Interaction

- ☐☐☐ Explain how major geographic concepts illustrate spatial relationships.

1.6 Scales of Analysis

- ☐☐☐ Define scales of analysis used by geographers.
- ☐☐☐ Explain what scales of analysis reveal.

1.7 Regional Analysis

- ☐☐☐ Describe different ways that geographers define regions.

2. Population and Migration Patterns and Processes

2.1 Population Distribution

- ☐☐☐ Identify the factors that influence the distribution of human populations at different scales.
- ☐☐☐ Define methods geographers use to calculate population density.
- ☐☐☐ Explain the differences between and the impact of methods used to calculate population density.

2.2 Consequences of Population Distribution

- ☐☐☐ Explain how population distribution and density affect society and the environment.

2.3 Population Composition

- ☐☐☐ Describe elements of population composition used by geographers.
- ☐☐☐ Explain ways that geographers depict and analyze population composition.

2.4 Population Dynamics

- ☐☐☐ Explain factors that account for contemporary and historical trends in population growth and decline.

2.5 The Demographic Transition Model

- ☐☐☐ Explain theories of population growth and decline.

2.6 Malthusian Theory

- ☐☐☐ Explain theories of population growth and decline.

2.7 Population Policies

- ☐☐☐ Explain the intent and effects of various population and immigration policies on population size and composition.

2.8 Women and Demographic Change

- ☐☐☐ Explain how the changing role of females has demographic consequences in different parts of the world.

2.9 Aging Populations

- ☐☐☐ Explain the causes and consequences of an aging population.

2.10 Causes of Migration

- ☐☐☐ Explain how different causal factors encourage migration.

2.11 Forced and Voluntary Migration

- ☐☐☐ Describe types of forced and voluntary migration.

2.12 Effects of Migration

- ☐☐☐ Explain historical and contemporary geographic effects of migration.

3. Cultural Patterns and Processes

3.1 Introduction to Culture

- ☐☐☐ Define the characteristics, attitudes, and traits that influence geographers when they study culture.

3.2 Cultural Landscapes

- ☐☐☐ Describe the characteristics of cultural landscapes.
- ☐☐☐ Explain how landscape features and land and resource use reflect cultural beliefs and identities.

3.3 Cultural Patterns

- ☐☐☐ Explain patterns and landscapes of language, religion, ethnicity, and gender.

3.4 Types of Diffusion

☐☐☐ Define the types of diffusion.

3.5 Historical Causes of Diffusion

☐☐☐ Explain how historical processes impact current cultural patterns.

3.6 Contemporary Causes of Diffusion

☐☐☐ Explain how historical processes impact current cultural patterns.

3.7 Diffusion of Religion and Language

☐☐☐ Explain what factors lead to the diffusion of universalizing and ethnic religions.

3.8 Effects of Diffusion

☐☐☐ Explain how the process of diffusion results in changes to the cultural landscape.

4. Political Patterns and Processes

4.1 Introduction to Political Geography

☐☐☐ For world political maps: a. Define the different types of political entities. b. Identify a contemporary example of political entities.

4.2 Political Processes

☐☐☐ Explain the processes that have shaped contemporary political geography.

4.3 Political Power and Territoriality

☐☐☐ Describe the concepts of political power and territoriality as used by geographers.

4.4 Defining Political Boundaries

☐☐☐ Define types of political boundaries used by geographers.

4.5 The Function of Political Boundaries

☐☐☐ Explain the nature and function of international and internal boundaries.

4.6 Internal Boundaries

☐☐☐ Explain the nature and function of international and internal boundaries.

4.7 Forms of Governance

☐☐☐ Define federal and unitary states.

☐☐☐ Explain how federal and unitary states affect spatial organization.

4.8 Defining Devolutionary Factors

☐☐☐ Define factors that lead to the devolution of states.

4.9 Challenges to Sovereignty

☐☐☐ Explain how political, economic, cultural, and technological changes challenge state sovereignty.

4.10 Consequences of Centrifugal and Centripetal Forces

☐☐☐ Explain how the concepts of centrifugal and centripetal forces apply at the state scale.

5. Agriculture and Rural Land-Use Patterns and Processes

5.1 Introduction to Agriculture

☐☐☐ Explain the connection between physical geography and agricultural practices.

5.2 Settlement Patterns and Survey Methods

☐☐☐ Identify different rural settlement patterns and methods of surveying rural settlements.

5.3 Agricultural Origins and Diffusions

☐☐☐ Identify major centers of domestication of plants and animals.

☐☐☐ Explain how plants and animals diffused globally.

5.4 The Second Agricultural Revolution

☐☐☐ Explain the advances and impacts of the second agricultural revolution.

5.5 The Green Revolution

☐☐☐ Explain the consequences of the Green Revolution on food supply and the environment in the developing world.

5.6 Agricultural Production Regions

☐☐☐ Explain how economic forces influence agricultural practices.

5.7 Spatial Organization of Agriculture

☐☐☐ Explain how economic forces influence agricultural practices.

5.8 Von Thünen Model

☐☐☐ Describe how the von Thünen model is used to explain patterns of agricultural production at various scales.

5.9 The Global System of Agriculture

☐☐☐ Explain the interdependence among regions of agricultural production and consumption.

5.10 Consequences of Agricultural Practices

☐☐☐ Explain how agricultural practices have environmental and societal consequences.

5.11 Challenges of Contemporary Agriculture

☐☐☐ Explain challenges and debates related to the changing nature of contemporary agriculture and food-production practices.

5.12 Women in Agriculture

- ☐☐☐ Explain geographic variations in female roles in food production and consumption.

6. Cities and Urban Land-Use Patterns and Processes

6.1 The Origin and Influences of Urbanization

- ☐☐☐ Explain the processes that initiate and drive urbanization and suburbanization.

6.2 Cities Across the World

- ☐☐☐ Explain the processes that initiate and drive urbanization and suburbanization.

6.3 Cities and Globalization

- ☐☐☐ Explain how cities embody processes of globalization.

6.4 The Size and Distribution of Cities

- ☐☐☐ Identify the different urban concepts such as hierarchy, interdependence, relative size, and spacing that are useful for explaining the distribution, size, and interaction of cities.

6.5 The Internal Structure of Cities

- ☐☐☐ Explain the internal structure of cities using various models and theories.

6.6 Density and Land Use

- ☐☐☐ Explain how low-, medium-, and high-density housing characteristics represent different patterns of residential land use.

6.7 Infrastructure

- ☐☐☐ Explain how a city's infrastructure relates to local politics, society, and the environment.

6.8 Urban Sustainability

- ☐☐☐ Identify the different urban design initiatives and practices.
- ☐☐☐ Explain the effects of different urban design initiatives and practices.

6.9 Urban Data

- ☐☐☐ Explain how qualitative and quantitative data are used to show the causes and effects of geographic change within urban areas.

6.10 Challenges of Urban Changes

- ☐☐☐ Explain causes and effects of geographic change within urban areas.

6.11 Challenges of Urban Sustainability

- ☐☐☐ Describe the effectiveness of different attempts to address urban sustainability challenges.

7. Industrial and Economic Development Patterns and Processes

7.1 The Industrial Revolution

- ☐☐☐ Explain how the Industrial Revolution facilitated the growth and diffusion of industrialization.

7.2 Economic Sectors and Patterns

- ☐☐☐ Explain the spatial patterns of industrial production and development.

7.3 Measures of Development

- ☐☐☐ Describe social and economic measures of development.

7.4 Women and Economic Development

- ☐☐☐ Explain how and to what extent changes in economic development have contributed to gender parity.

7.5 Theories of Development

- ☐☐☐ Explain different theories of economic and social development.

7.6 Trade and the World Economy

- ☐☐☐ Explain causes and geographic consequences of recent economic changes such as the increase in international trade, deindustrialization, and growing interdependence in the world economy.

7.7 Changes as a Result of the World Economy

- ☐☐☐ Explain causes and geographic consequences of recent economic changes such as the increase in international trade, deindustrialization, and growing interdependence in the world economy.

7.8 Sustainable Development

- ☐☐☐ Explain how sustainability principles relate to and impact industrialization and spatial development.