



## **AP<sup>®</sup> Human Geography 2011 Free-Response Questions**

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**HUMAN GEOGRAPHY**

**SECTION II**

**Time—75 minutes**

**Percent of total score—50**

**Directions:** You have 75 minutes to answer all three of the following questions. It is recommended that you spend approximately one-third of your time (25 minutes) on each question. It is suggested that you take up to 5 minutes of this time to plan and outline each answer. While a formal essay is not required, it is not enough to answer a question by merely listing facts. Illustrate your answers with substantive geographic examples where appropriate. Be sure that you number each of your answers, including individual parts, in the answer booklet as the questions are numbered below.

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MEXICO'S MOST POPULOUS CITIES

City	1975	2007	2015
Ciudad Juárez	474,000	1,343,000	1,478,000
Guadalajara	1,850,000	4,198,000	4,673,000
León	589,000	1,488,000	1,682,000
Mexico City	10,690,000	19,028,000	20,189,000
Monterrey	1,589,000	3,712,000	4,140,000
Puebla	858,000	2,195,000	2,474,000
Tijuana	355,000	1,553,000	1,799,000
Toluca	309,000	1,531,000	1,671,000
Torreón	556,000	1,144,000	1,280,000

*Source:* Population Division of the Department of Economic and Social Affairs of the United Nations Secretariat, *World Population Prospects: The 2006 Revision and The 2007 Revision*, <http://esa.un.org/unup>.

1. The map and table above show the geographic location, population growth, and projected growth of Mexico's most populous cities.
  - A. Define the following terms and describe how each relates to Mexico's urban geography.
    - Primate city
    - Rank-size rule
  - B. Explain TWO positive effects of primate cities on a country's economic development and TWO different negative effects of primate cities on a country's economic development.

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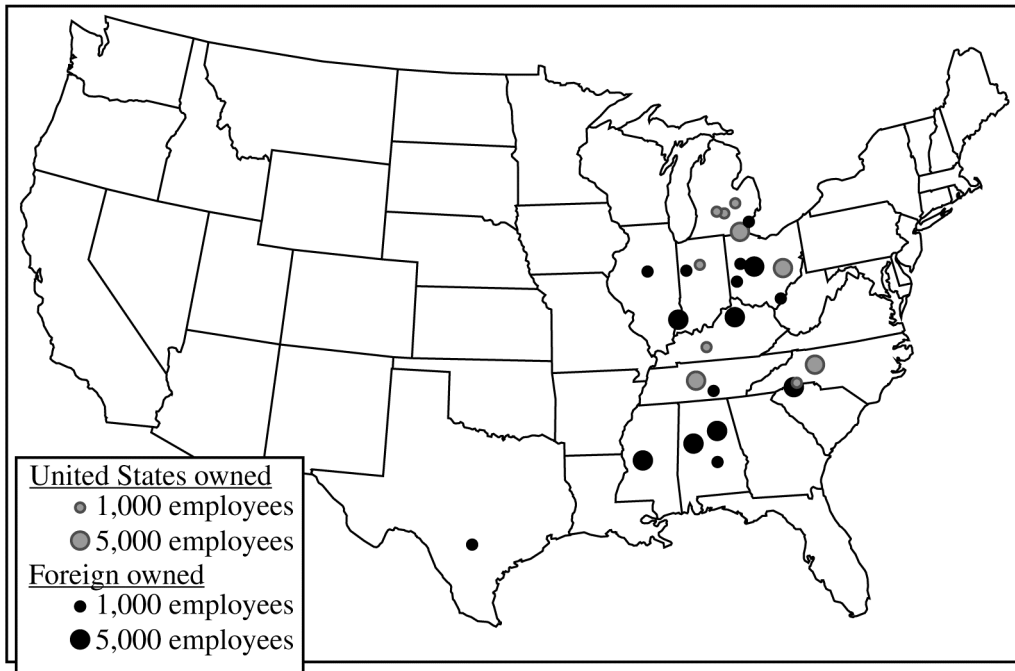
2. In 1798 Thomas Robert Malthus published *An Essay on the Principle of Population* in which he argued that population growth will inevitably outpace food production, resulting in widespread famine.
- A. Identify and explain TWO reasons why some geographers today believe Malthus' theory can be used to predict future population issues.
  - B. Identify and explain TWO reasons why some geographers today believe Malthus' theory cannot be used to predict future population issues.

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AUTOMOBILE FACTORIES BUILT IN THE UNITED STATES BEFORE 1986



AUTOMOBILE FACTORIES BUILT IN THE UNITED STATES BETWEEN 1986 AND 2006



3. Industrial location models are used to explain geographic patterns of economic activity. The maps above show automobile factories built before and after 1986 in the United States.
- A. Identify TWO changes in the geography of automobile factory construction shown by the maps.
- B. Identify and explain TWO factors related to industrial location that may have contributed to the changes.

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**STOP**  
**END OF EXAM**